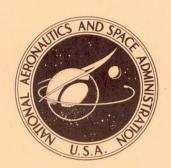
## NASA TECHNICAL NOTE



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## DATA FOR NASA'S AVE IV EXPERIMENT: 25 MB SOUNDING DATA AND SYNOPTIC CHARTS

Nancy F. Fucik and Robert E. Turner George C. Marshall Space Flight Center Marshall Space Flight Center, Ala. 35812



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## DATA FOR NASA'S AVE IV EXPERIMENT: 25 MB SOUNDING DATA AND SYNOPTIC CHARTS

#### I. INTRODUCTION

As of this date, four NASA Atmospheric Variability Experiments have been conducted. Dates the soundings were taken and the number of participating stations are listed in Table 1.

TABLE 1. ATMOSPHERIC VARIABILITY EXPERIMENTS

AVE	Date	Number of Participating Stations
I	19-22 February 1964	30
IIP	11-12 May 1974	54
III	6-7 February 1975	41
IV	24-25 April 1975	42

Data for the first NASA Atmospheric Variability Experiment were presented by Scoggins and Smith [1,2], and a compilation of studies from AVE I has been presented by Scoggins et al. [3]. The reduction procedures and accuracy of the data from the second NASA Atmospheric Variability (Pilot) Experiment (AVE IIP) have been described by Fuelberg [4], while the data were presented by Scoggins and Turner [5] and by Fuelberg and Turner [6]. Data for AVE III have been presented by Fuelberg and Turner [7]. Studies using AVE IIP and AVE III data, including satellite and radar data, are under way. Results from AVE I, AVE IIP, and AVE III have demonstrated conclusively that systems with a time scale of less than 12 hours are important features of the atmosphere and should be studied in greater detail with additional AVE-type experiments.

To provide these additional data, the fourth Atmospheric Variability Experiment (AVE IV) was conducted on April 24-25, 1975. This report presents rawinsonde data and synoptic charts for AVE IV. Selected data from other sources such as satellite, radar, and surface stations are available but are not presented in this report.

#### II. THE AVE IV EXPERIMENT

Forty-two rawinsonde stations participated in the AVE IV experiment. These stations are shown in Figure 1 and listed in Table 2. Soundings were taken at nine time periods — April 24 at 0000 GMT, 0600 GMT, 1200 GMT, 1500 GMT, 1800 GMT, and 2100 GMT, and on April 25 at 0000 GMT, 0600 GMT, and 1200 GMT. The objectives of the AVE IV are to evaluate the accuracy and representativeness of quantitative satellite data, to investigate the temporal and spatial variability of atmospheric parameters and systems of a scale smaller than that normally detected from data available at 12 h intervals, and to investigate the structure and dynamics of the atmosphere associated with severe weather. To achieve these goals it was desirable to conduct AVE IV during a period when large horizontal temperature gradients existed, convective activity was present, a jet stream was present, a variety of cloud conditions existed, and rapid changes in weather patterns were expected to occur.

#### III. DISCUSSION OF BASIC DATA

#### A. Collection

Original information from which sounding data were computed was sent to the Aerospace Environment Division, NASA Marshall Space Flight Center (MSFC), Alabama. Texas A&M University personnel extracted ordinate and angle data at each pressure contact and keypunched these and baseline data into cards. All sounding computations were made on an IBM 360/65 computer at Texas A&M University.

#### B. Methods of Processing

The procedure used to compute soundings is the same as that used on the AVE III data and is described by Fuelberg [4] and Fuelberg and Turner [7]. All keypunched data were checked for errors by calculating centered differences on the input data. Processed soundings were further checked by calculating centered differences of wind direction and speed and by calculating the lapse rates of temperature and dew point. All questionable data were checked with the original strip chart information, and any data found to be erroneous were corrected. All unusual or erroneous soundings are listed in Table 3.

The final data sets of the AVE IV experiment consist of data computed at each pressure contact and at 25 mb intervals. Thermodynamic quantities were computed at each pressure contact, while wind data were computed from 30 s intervals by means of centered finite differences and subsequently smoothed and interpolated to each pressure contact. These detailed profiles were then interpolated to give the 25 mb data presented in this report.

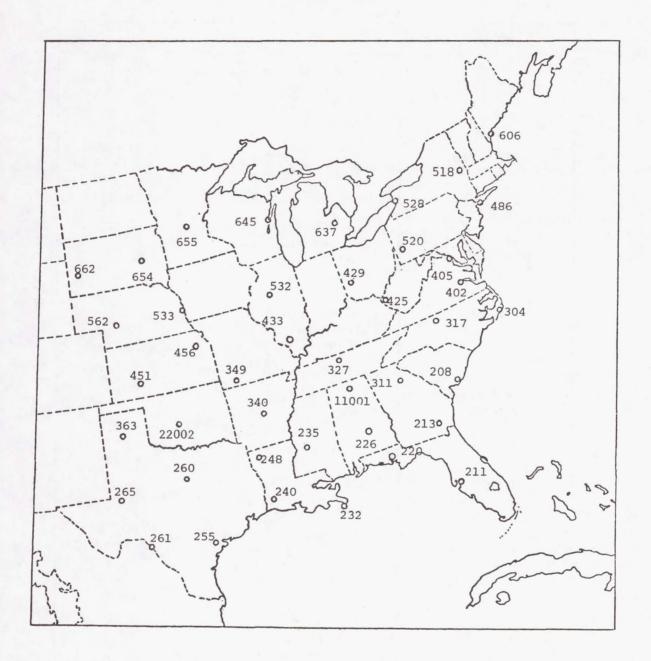


Figure 1. Rawinsonde stations participating in the AVE IV experiment.

# TABLE 2. RAWINSONDE STATIONS PARTICIPATING IN AVE IV EXPERIMENT

Station Number	Location
208 (CHS)	Charleston, South Carolina
211 (TPA)	Tampa, Florida
213 (AYS)	Waycross, Georgia
220 (VPS)	Apalachicola, Florida
226 (CEN)	Centerville, Alabama
232 (BVE)	Boothville, Louisiana
235 (JAN)	Jackson, Mississippi
240 (LCH)	Lake Charles, Louisiana
248 (SHV)	Shreveport, Louisiana
255 (VCT)	Victoria, Texas
260 (SEP)	Stephenville, Texas
261 (DRT)	Del Rio, Texas
265 (MAF)	Midland, Texas
304 (HAT)	Hatteras, North Carolina
311 (AHN)	Athens, Georgia
317 (GSO)	Greensboro, North Carolina
327 (BNA)	Nashville, Tennessee
340 (LIT)	Little Rock, Arkansas
349 (UMN)	Monett, Missouri
363 (AMA)	Amarillo, Texas
402 (WAL)	Wallops Island, Virginia
405 (IAD)	Sterling, Virginia (Dulles Airport)
425 (HTS)	Huntington, West Virginia
429 (DAY)	Dayton, Ohio
433 (SLO)	Salem, Illinois
451 (DDC)	Dodge City, Kansas
456 (TOP)	Topeka, Kansas
486 (JFK)	Fort Totten, New York (Kennedy Airport)
518 (ALB)	Albany, New York
520 (PIT)	Pittsburg, Pennsylvania
528 (BUF)	Buffalo, New York
532 (PIA)	Peoria, Illinois
553 (OMA)	Omaha, Nebraska
562 (LBF)	North Platte, Nebraska
606 (PWM)	Portland, Maine
637 (FNT)	Flint, Michigan
645 (GRB)	Green Bay, Wisconsin
654 (HUR)	Huron, South Dakota
655 (STC)	St. Cloud, Minnesota
662 (RAP)	Rapid City, South Dakota
11001 (MFS)	Marshall Space Flight Center, Alabama
22002 (FSI)	Fort Sill, Oklahoma

TABLE 3. UNUSUAL OR ERRONEOUS SOUNDINGS

Station	Date/GMT	Error
349 Monett, Missouri	24/1200 25/0000	Sondes released during rainstorm.
429 Dayton, Ohio	24/0600	Sonde released during thunderstorm.
235 Jackson, Mississippi	24/2100	Height and temperature fields seem to be high. No known reason.
402 Wallops Island, Virginia	All time periods	Angle data were not available for Stations 402 and 486 to compute winds using AVE procedure. Winds computed by the National Weather Service are given in the appendix.
486 Fort Totten, New York	All time periods	

#### IV. DISCUSSION OF SOUNDING DATA

### A. Accuracy Estimates

Estimates of the rms errors in the thermodynamic quantities of the AVE IV data are the same as those given by Scoggins and Smith [1] for AVE I, Fuelberg [4] for AVE IIP, and Fuelberg and Turner [7] for AVE III. These estimates are:

Parameter	Approximate rms Error
Temperature	1°C
Pressure	2.3 mb from surface to 400 mb; 1.1 mb between 400 and 100 mb; 0.7 mb between 100 and 10 mb.
Humidity	10 percent
Pressure Altitude	10 gpm at 500 mb; 20 gpm at 300 mb; 50 gpm at 50 mb.

The rms errors for wind speed and direction are difficult to describe since they are a function of tracking geometry and other factors. The rms errors in the AVE IV wind data are the same as those given by Fuelberg [4] for the AVE IIP data. Maximum rms errors for winds computed at 30 s intervals (based on the worst geometric tracking configuration) are: at 700 mb approximately 2.5 mps at an elevation angle of 10° and approximately 0.5 mps at an elevation angle of 40°; at 500 mb, 4.5 mps, and 0.8 mps for the same elevation angles; and at 300 mb, 7.8 mps, and 1.0 mps, respectively. After assuming typical values of scalar wind speed at the various levels, maximum rms errors in wind direction were determined. The maximum rms errors at 700 mb range from approximately 9.5° at an elevation angle of 10° to approximately 1.3° at an elevation angle of 40°. At 500 mb the errors are 13.4° and 1.8° at the same elevation angles, while at 300 mb the maximum errors are 18.0° and 2.5°, respectively. The accuracy of the wind data at pressure contacts and at 25 mb intervals is greater than that stated for the 30 s winds because of the added smoothing and interpolation performed. In addition, errors cited for the 30 s winds were maxima for the stated conditions.

#### B. Tabulated Data

An example of AVE IV contact data is given in Figure 2. An explanation of the column headings is given in Table 4, and a list of missing soundings is given in Table 5. In Figure 2, the first line of data for the time of 0.0 min is surface data. A series of nines is used to indicate missing data. The three numbers in the upper right-hand side of each page are the number of pressure contacts computed, the minimum pressure obtained (mb), and an angle identifier with the value 0 for 30 s angle input and 1 for 1 min angle input. The contact data are available in paper form or on magnetic tape from the George C. Marshall Space Flight Center, Aerospace Environment Division, Space Sciences Laboratory, Marshall Space Flight Center, Alabama 35812.

The contact data interpolated for 25 mb intervals are presented in Appendices A and B. The column headings are identical to those used for the contact data and are described in Table 4. The soundings are arranged by time and appear in ascending order by station number for each time. The first line of data indicates the surface report which is followed by data from 1000 to 25 mb. In cases where the surface pressure is less than the given 25 mb pressure value, missing data (nines) are indicated for each quantity. This is also done when the sounding terminates before the 25 mb level is reached.

#### V. SYNOPTIC CHARTS

Synoptic charts for the surface-, 850-, 700-, 500-, 400-, 300-, and 200-mb levels for each observation time are presented in Figures 3 through 11. The surface maps were prepared by the National Weather Service. The charts are intended to depict the overall synoptic situation during the observational period and should be reanalyzed when accuracy is a key factor.

STATION NO. 208 CHARLESTON, SC

23 APRIL 1975 2315 GMT

1 55 18. TIME CHTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 4.3 13.0 1024.0 21.1 12.8 190.0 5.2 0.9 5 · 1 293.5 317.4 9.1 59.0 0.0 0. 0.2 5. 0 89.5 1015.0 21.0 12.8 182.5 6.6 0.3 6.6 294.2 318.5 9.2 59.5 0.3 40 0.6 6.0 218.3 1000.0 20.2 12.4 183.0 6.7 0.3 6.6 294.5 318.6 9.1 61.0 0.3 40 1.0 7.0 322.4 988.0 19.1 12.1 184.7 6.9 0.6 6.9 294.5 318.3 9.0 64.0 0.4 3. 1 . 4 8.0 436.2 975.0 18.2 12.0 182.4 7.8 0.3 7.8 294.7 318.7 9.1 66.9 0.6 4. 1.6 9.0 533.4 964.0 17.0 11.7 180.9 8.1 0.1 8.1 294.4 318.2 9.0 70.9 0.7 4. 1.9 1 C. O 631.3 953.0 16.0 11.7 178.2 8.4 -0.3 294.4 8.4 318.5 9.1 75.9 0.9 3. 2.4 11.0 757.1 939.0 15.0 12.0 179.1 7.7 -0.1 7.7 294.6 319.6 9.5 82.6 1 . 1 2.7 12.0 866.1 927.0 14.0 182.0 12.3 8.0 0.3 8.0 294.7 320.4 9.7 89.3 1.3 3.1 13.0 976.1 915.0 13.0 12.0 186.7 9.0 1.0 9.0 294.8 320.4 9.7 93.7 1.4 2. 3.4 14.0 1077.9 904.0 12.1 11.6 190.3 10.0 1.8 9.8 294.8 320.1 9.6 97.3 1.6 2. 3.7 15.0 1190.1 892.0 11.3 10.8 192.6 10.3 2.3 319.4 10.1 295.1 9.2 96.5 1.8 3. 4.2 16.0 1322.4 878.0 10.7 10.1 195.3 10.4 2.7 10.0 295.8 319.5 8.9 96.0 2.1 5. 4.5 17.0 1427.6 867.0 196.4 9.5 9.0 10.4 2.9 10.0 295.5 317.7 8.3 96.7 2.3 6. 4.9 18.0 1533.6 856.0 197.5 8.6 8.1 9.8 3.0 9.4 295.6 316.8 8.0 97.0 2.5 7. 5 . 1 19.0 1640.7 845.0 8.0 5.7 197.8 9.7 3.0 9.2 295.9 314.4 6.8 85.3 2.7 8. 20.0 5.5 1739.3 835.0 8.9 4.6 197.9 3.0 9.7 297.8 9.2 315.3 6.4 7403 2.9 8. 5.9 21.0 1879.4 821.0 8.9 -12.9 198.6 9.8 3.1 298.7 9.3 303.8 1.7 19.9 3.1 9. 6.3 22.0 1980.6 811.0 -10.5 8.0 200.2 9.8 3.4 9.1 298.8 305.0 2.1 25.6 3.4 10. 6.6 23.0 2093.0 800.0 7.3 -12.3 201.8 9.5 3.5 8.8 299.2 304.7 1.9 23.2 3.5 10. 6.9 24.0 2156.4 790.0 -10.9 6.6 203.7 9.1 3.6 8.3 299.5 305.7 2.1 27.3 3.7 11. 7.3 25.0 2300.7 780.0 5.6 -8.9 207.3 8.2 3.7 299.6 7.3 306.8 2.5 34.3 3.9 12. 7.7 26.0 2438.0 767.0 5.0 -8.6 212.8 7.2 3.9 6.1 300.5 308.1 2.6 36.6 4.1 12. 27.0 8.1 2545.1 757.0 5.0 -9.5 221.0 6.4 4.2 308.8 4.8 301.6 2.4 33.9 4.2 13. 8.4 28.0 2664.5 746.0 4.9 -19.5 229.0 6.0 4.5 3.9 302.5 305.8 15.1 1 . 1 4.3 14. 8. 7 29.0 2763.2 737.0 4.0 -19.5 237.2 5.8 4.9 3. 2 302.6 306.0 1.1 16.0 4.4 15. 9.1 30.0 2874.2 727.0 3.9 -19.6 247.1 5.8 5.4 2.3 303.6 307.0 1.1 16.0 4.5 16. 9.4 31.0 2997.7 716.0 2.8 -19.9 252.2 5.9 5.6 1.8 303.8 307.2 1.1 16.8 4.6 17. 32.0 9.8 3099.9 707.0 1.9 -16.5 255.2 6.0 5.8 1.5 303.9 308.4 1.5 24.1 4.6 19. 33.0 10.2 3203.1 698.0 1 . 4 -15.8 255.9 6.2 6.1 1.5 304.4 309.3 1.6 26.4 4.7 20. 10.5 34.0 3319.1 688.0 0.7 255.6 -15.7 6.4 6.2 1.6 305.0 310.0 28.0 1.6 4.8 21. 10.8 35.0 3424.8 679.0 -18.9 0.4 257.6 6.6 6.4 1.4 305.7 309.6 1.3 21.7 4.9 23. 11.2 36.0 3567.7 667.0 0.2 -23.5 262.1 5.6 307.0 6.6 0.9 309.8 0.9 14.8 5.0 24. 37.0 11.6 3688.6 657.0 -0.1 -24.9 269.3 6.6 6.6 0.1 308.0 310.5 0.8 13.3 5.0 26. 12.0 38.0 3798.8 648.0 -0.9 -29.5 278.4 6.4 6.4 -0.9 308.3 310.0 0.5 9.2 5. 1 28. 12.3 39.0 3910.3 639.0 -1.2 286.4 -32.0 6.4 -1.8 309.1 310.5 0.4 7.4 5.1 29. 12.7 40.0 4023.3 630.0 -1.4 -32.0 295.2 6.7 6.1 -2.9 310.2 311.6 0.4 7.5 5. 2 30. 13.2 41.0 4163.4 619.0 -2.0 -32.4 299.6 7.5 312.4 -3.7 311.1 6.6 0.4 7.5 5.1 33. 13.6 42.0 4266.7 611.0 -2.3 -32.6 299.0 8.3 7.3 -4.0 311.9 313.2 0.4 7.6 5.1 35. 13.9 43.0 4397.5 -31.7 601.0 -2.8 298.2 8.8 7.7 -4.2 312.8 314.3 0.4 8.5 5. 2 36. 14.3 44.0 4503.6 593.0 -3.2 -32.0 300.2 9.4 8.1 -4.7 313.5 314.9 0.4 8.6 5.2 39. 14.7 45.0 4624.5 584.0 -3.5 -32.2 304.2 10.0 8.3 -5.6 314.5 316.0 0.4 8.6 5.3 41.

-403

-4.8

-5.5

-32.7

-32.0

-25.5

307.9

311.0

311.4

10.5

11.2

11.5

576.0

567.0

559.0

Figure 2. Example of contact data from the AVE IV experiment.

8.3

8.5

-6.5

-704

-7.6

314.8

315.7

316.1

316.3

317.3

319.0

0.4

0.5

0.9

8.7

9.7

18.9

5.3 43.

5.3 46.

50 3 48e

15.0

15.4

15.7

46.0

47.0

48.0

4733.3

4857.2

4968.8

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE CR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 208 CHARLESTON. SC

23 APRIL 1975 2315 GMT

155 18, 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	CG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
16.1	49.0	5081.7	551.0	-6.3	-26.9	310.4	11.7	8.9	-7.6	316.5	319.1	0.8	17.6	5. 3	52.
16.4	50.0	5210.4	542.0	-6.9	-23.5	309.1	11.6	9.0	-7.3	317.4	320.8	1 . 1	25.1	5.4	54.
16.9	51.0	5340.9	533.0	-7.6	-22.5	308.7	11.4	8.9	-7.1	318.0	321.9	1.2	29.1	5.5	57.
17.2	52.0	5458.4	525.0	-8.6	-22.1	309.5	11.4	8.8	-7.2	318.2	322.2	1.2	32.6	5.6	59.
17.6	53.0	5577.2	517.0	-9.6	-19.2	311.0	11.5	8.7	-7.6	318.4	323.6	1.6	45.4	5.7	62.
18.0	E4.0	5712.7	508.0	-10.7	-17.5	312.1	11.9	8.9	-8.0	318.8	324.9	1.9	56.9	5.8	64.
18.4	55.0	5834.6	500.0	-11.8	-19.3	311.0	12.2	9.2	-8.0	318.8	324.2	1.7	53.4	5.9	67.
18.8	5€.0	5973.5	491.0	-12.6	-21.2	307.7	12.4	9.8	-7.6	319.4	324.1	1 . 4	48.4	6.0	70.
19.2	57.0	6083.0	484.0	-13.3	-21.5	303.0	12.6	10.6	-6.9	319.9	324.5	1 . 4	50.0	6. 2	72.
19.6	58.0	6209.8	476.0	-14.0	-22.5	297.6	13.0	11.5	-6.0	320.5	324.8	1.3	48.5	6.4	74.
19.9	59.0	6322.2	469.0	-14.9	-22.5	294.0	13.3	12.2	-5.4	320.8	325.2	1.3	52.0	6.6	75.
20.4	60.0	6468.6	460.0	-15.8	-22.2	290.2	13.9	13.0	-4.8	321.4	326.0	1.4	58.0	6.9	770
20.8	€1.0	6584.2	453.0	-16.1	-21.5	289.5	14.4	13.6	-4.8	322.5	327.5	1.5	63.2	7.2	79.
21.2	€2.0	6684.6	447.0	-16.7	-23.7	290.2	15.1	14.1	-5.2	323.0	327.2	1.3	54.4	7.5	80.
21.7	63.0	6820.1	439.0	-17.5	-24.9	292.1	16.0	14.8	-6.0	323.6	327.5	1 • 1	52.3	7.9	82.
22.0	64.0	6940.3	432.0	-18.6	-25.5	293.2	16.6	15.2	-6.5	323.7	327.4	1 . 1	54.2	8.2	83.
22,4	65.0	7061.9	425.0	-19.8	-26.2	294.4	17.0	15.5	-7.0	323.7	327.2	1 • 1	56.6	8.5	84.
22.9	66.0	7202.8	417.0	-20.6	-26.6	295.5	17.3	15.6	-7·5	324.4	327.9	1.0	58.6	9.0	86.
23.4	67.0	7327.8	410.0	-21.7	-27.2	296.4	17.4	15.6	-7.7	324.6	327.9	1.0	60.5	9.4	88.
23.7	68.0	7454.4	403.0	-22.9	-29.2	296.9	17.2	15.3	-7.8	324.6	327.5	0.8	56.0	9. 7	88.
24.2	69.0	7582.7	396.0	-23.8	-29.3	297.1	16.4	14.6	-7.5	325.0	327.9	0.8	60.0	10.2	90.
24.6	70.0	7712.8	389.0	-24.6	-30.8	296.2	15.8	14.2	-6.9	325.6	328.2	0.7	55.9	10.5	91.
25.2	71.0	7882.9	380.0	-25.8	-32.8	293.8	15.5	14.2	-6.3	326.2	328.4	0.6	51.4	11.0	92.
25.6	72.0	8017.5	373.0	-26.5	-36.1	293.7	15.8	14.5	-6.4	327.1	328.7	0.5	39.2	11.3	93.
26.0	73.0	8154.1	366.0	-27.6	-36.4	295.2	16.3	14.8	-7.0	327.2	328.9	0.5	42.5	11.7	93.
26.5	74.0	8272.7	360.0	-28.8	-36.3	297.1	17.1	15.2	-7.8	327.2	328.9	0.5	48.2	12.1	94.
26.9	75.0	8412.9	353.0	-30.0	-35.3	297.6	17.7	15.7	-8.2	327.4	329.3	0.5	59.4	12.5	95.
27.4	76.0	8534.7	347.0	-31.2	-35.3	297.3	18.4	16.3	-8.4	327.4	329.4	0.5	67.1	13.0	96.
27.8	77.0	8678.9	340.0	-32.1	-37.6	296.5	18.8	16.8	-8.4	328.1	329.7	0.4	58.0	13.4	97.
28,2	78.0	8804.5	334.0	-32.8	-39.7	295.5	19.1	17.2	-8.2	328.8	330 • 1	0 . 4	49.5	13.9	97.
28.6	79.0	8931.8	328.0	-34.0	-40.8	294.8	19.3	17.5	-8.1	328.9	330.1	0.3	49.5	14.3	98.
29.0	80.0	9060.9	322.0	-34.9	-40 a 4	294.7	19.4	17.6	-8.1	329.4	330.6	0.3	57.3	14.8	98.
29.6	81.0	9214.0	315.0	-35.9	-40.0	295.6	19.8	17.9	-8.6	330.1	331.5	0 • 4	65.1	15.4	99.
29.9	82.0	9347.3	309.0	-37.2	-41.2	296.0	20.0	18.0	-8.8	330.1	331.3	0.3	65.9	15.8	99.
30.4	0.58	9482.6	303.0	-38.2	-42.4	296.4	20.2	18.1	-9.0	330.6	331.7	0.3	63.8	16.4	
30.8	84.0	9596.8	298.0	-39.4	-43.7	296.8	20.3	18.1	-9.1	330.4	331.4	0.3	62.8	16.8	
31.2	e5.0	9735.7	292.0	-40.6	99.9	297.1	20.3	18.1	-9.3	330.7	999.9	99.9	999.9	17.3	
31.8	86.0	9900.7	285.0	-41.6	99.9	296.9	21.0	18.7	-9.5	331.6	999.9	99.9	999.9	18.0	
32.3	87.0	10020.4	280.0	-43.0	99.9	296.0	22.1	19.9	-9.7	331.3	999.9	99.9	999.9	18.6	
32.7	88.0	10166.1	274.0	-44.0	99.9	295.3	23.1	20.9	-9.8	331.9	999.9	99.9	999.9	19.1	
33.2	89.0	10289.3	269.0	-45.4	99 • 9	295.1	23.6	21.4	-10.0	331.6	999.9	99.9	999.9	19.9	
33.6	90.0	10414.2	264.0	-46.5	99.9	295.9	23.4	21.1	-10.2	331.7	999.9	99.9	999.9	20.5	
34.1	91.0	10540.8	259.0	-47.8	99.9	297.8	23.2	20.5	-10.8	331.6	999.9	99.9	999.9	21.1	
34.6	92.0	10695.0	253.0	-49.2	99.9	299.2	24.1	21.0	-11.8	331 . 8	999.9	99.9	999.9	21.8	
35. 1	93.0	10825.5	248.0	-50°5	99.9	300.0	26.1	22.6	-13.0	331.7	999.9	9949	999.9	22.4	1050

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 208 CHARLESTON. SC

23 APRIL 1975 2315 GMT

2315 GMT 155 18. 0

Mile	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
36.5   66.0   11256.45   223.0   -53.0   99.9   30.1.5   28.0   23.0   -14.7   331.0   99.9   99.9   99.9   23.2   106.3   37.0   57.0   11395.5   227.0   -55.9   99.9   303.4   26.0   21.7   -14.3   331.0   99.9   99.9   99.9   99.9   25.5   107.3   36.0   59.0   11593.3   223.0   -57.2   99.9   305.5   26.0   21.5   -14.3   331.0   99.9   99.9   99.9   99.9   26.4   107.3   36.0   37.0   3	MIN		GFM	MB	DG C	DG C	DG	M/SEC								
36.5   95.0   11092+4   238-0   -53.0   99.9   301.5   28.0   23.9   -14.7   331.9   999.9   99.9   99.9   99.9   22.8   100.5   37.6   96.0   11256.5   232.0   -54.6   99.9   302.7   27.0   22.8   -14.6   331.9   999.9   99.9   99.9   99.9   24.7   106.5   37.6   96.0   11508.3   227.0   -55.9   99.9   303.4   26.0   21.7   -14.3   331.0   999.9   99.9   99.9   99.9   99.9   25.5   107.5   38.0   97.0   11508.3   225.0   -57.2   99.9   305.5   26.1   21.5   -14.8   331.6   999.9   99.9   99.9   99.9   25.5   107.5   38.0   97.0   11508.3   225.0   -60.0   99.9   305.5   26.7   21.8   -15.3   332.0   999.9   99.9   99.9   99.9   27.0   108.8   39.0   100.0   11764.7   213.0   -60.0   99.9   307.8   27.6   21.8   -15.3   332.0   999.9   99.9   99.9   99.9   27.0   108.8   39.0   102.0   12095.3   203.0   -61.2   56.9   307.8   27.6   21.8   -15.9   331.7   999.9   99.9   999.9   27.0   108.8   39.8   102.0   12095.3   203.0   -61.2   56.9   307.8   27.6   21.8   -16.9   332.0   999.9   99.9   999.9   999.9   27.0   108.8   40.9   105.0   12502.7   190.0   -62.0   99.9   310.0   23.6   21.5   -10.3   332.0   999.9   99.9   999	35.6	94.0	10958.0	243.0	-51.8	99.9	300.9	27.8	23.8	-14.2	331.8	999.9	99. 9	999.9	23.2	105.
36-5	35.9	95.0	11092.4	238.0	-53.0	99.9	301.5	28.0	23.9		331.9					
37.6 97.0 11395.5 227.0 -55.9 99.9 303.6 26.0 21.7 -14.3 331.6 99.9 99.9 99.9 99.9 99.9 25.5 107. 37.6 98.0 11501.3 223.0 -57.2 99.9 304.5 26.1 21.5 -14.8 331.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	36.5	96.0	11256.5	232.0	-54.6	99.9	302.7	27.0								
38-0 98-0 11508.3 223.0 -57.2 99.9 304.5 26.1 21.5 -14.8 331.6 99.9 99.9 99.9 99.9 99.9 26.4 107.8 38-0 99.0 1161.3 218.0 -58.4 99.9 305.1 26.7 21.8 -15.3 332.0 999.9 99.9 99.9 99.9 27.6 108. 38-4 100.0 11756.7 21.8 -6.0 99.9 305.9 27.2 22.0 -15.9 311.7 39.9 99.9 99.9 99.9 27.6 108. 38-4 100.0 110.0 1194.4 28.8 -6.2 59.9 307.8 27.6 21.8 -16.9 332.0 999.9 99.9 99.9 99.9 27.6 108. 38-3 110.0 1194.4 28.8 -6.2 59.9 30.7 27.0 21.8 -17.8 332.0 999.9 99.9 99.9 99.9 27.6 108. 38-3 110.0 1194.4 28.8 -6.2 59.9 30.7 27.0 21.8 -17.8 332.0 999.9 99.9 99.9 99.9 99.9 29.0 109.3 30.8 110.0 1194.5 11.0 1	37.0	57.0	11395.5	227.0	-55.9	99.9	303.4	26.0	21.7							
38-8   G9.0   11651.3   218-0   -58-4   99.9   305.1   26.7   21.8   -15.3   332.0   999.9   99.9   99.9   27.6   108.   38-8   10.0   11756.7   213.0   -60.0   99.9   307.8   27.2   22.0   11.5   311.7   99.9   99.9   99.9   99.9   99.9   27.6   108.   38-8   101.0   11944.6   208.0   -61.3   69.9   307.8   27.6   21.8   -16.9   332.0   999.9   99.9   99.9   99.9   28.4   109.   39-8   103.0   12218.1   199.0   -62.8   99.9   311.0   29.0   21.8   -19.0   333.5   99.9   99.9   99.9   99.9   29.6   109.   40-9   105.0   12502.7   190.0   -62.8   99.9   310.7   31.0   23.5   25.7   -21.5   33.5   99.9   99.9   99.9   99.9   30.6   110.   40-9   105.0   12502.7   190.0   -64.7   99.9   310.0   33.6   25.7   -21.5   33.5   99.9   99.9   99.9   99.9   33.6   110.   41.6   106.0   12533.0   186.0   -64.3   99.9   308.1   34.1   26.8   -21.1   339.4   999.9   99.9   99.9   33.1   112.   42.1   107.0   12765.9   182.0   -64.7   99.9   304.7   32.6   26.8   -21.1   339.4   999.9   99.9   99.9   99.9   33.1   112.   43.1   107.0   13041.0   174.0   -63.1   99.9   300.9   30.2   27.7   16.5   346.3   99.9   99.9   99.9   99.9   35.3   113.   43.3   107.0   13041.0   174.0   -62.1   99.9   300.9   32.2   27.7   -16.5   346.3   99.9   99.9   99.9   99.9   35.3   113.   43.4   111.0   13363.8   165.0   -62.0   99.9   30.8   33.8   29.6   -16.4   353.5   99.9   99.9   99.9   99.9   37.5   13.8   43.9   111.0   13363.8   165.0   -62.0   99.9   30.8   33.8   29.6   -16.4   353.5   99.9   99.9   99.9   99.9   37.5   13.4   47.1   11.5   13563.8   165.0   -62.0   99.9   30.8   33.8   29.6   -16.4   353.5   99.9   99.9   99.9   99.9   37.5   13.4   47.1   11.5   13563.8   165.0   -62.0   99.9   30.8   33.8   29.6   -16.4   353.5   99.9   99.9   99.9   99.9   37.5   13.4   47.1   13.0   13363.8   13.8   29.6   -16.4   353.5   99.9   99.9   99.9   99.9   99.9   37.5   13.8   43.9   13.8   43.8	37.6	98.0	11508.3	223.0	-57.2	99.9	304.5	26.1	21.5	-14.8						
38.8   10.0   11756.7   213.0   -0.0   9.9   305.9   27.2   22.0   -15.9   331.7   999.9   99.9   99.9   27.6   10.8   38.9   310.1   1144.6   208.0   -61.3   69.9   307.8   27.6   21.8   -16.9   332.0   999.9   99.9   99.9   99.9   29.0   109.   39.8   303.0   12218.1   199.0   -62.8   69.9   311.0   29.0   21.8   -17.8   332.6   999.9   99.9   99.9   99.9   29.8   109.   40.3   310.4   12343.1   195.0   -62.9   99.9   310.7   31.0   23.5   -20.2   335.5   999.9   99.9   99.9   99.9   30.6   110.   40.9   305.0   1225.7   190.0   -63.9   69.9   310.0   33.6   25.7   -21.5   33.5   999.9   99.9   99.9   99.9   30.6   110.   41.6   106.0   12633.0   186.0   -64.3   99.9   305.4   34.6   26.8   -22.0   337.9   999.9   99.9   99.9   33.4   112.   42.1   107.0   12765.9   182.0   -64.5   99.9   304.7   32.6   26.8   -22.0   337.9   999.9   99.9   99.9   33.4   112.   42.1   107.0   12765.9   182.0   -64.5   99.9   304.7   32.6   26.8   -18.5   341.9   999.9   99.9   99.9   99.9   35.4   113.   43.3   100.0   1304.1   174.0   -62.1   99.9   304.7   32.6   26.8   -18.5   341.9   999.9   99.9   99.9   99.9   37.5   113.   43.7   110.0   13194.4   170.0   -62.4   99.9   29.8   33.8   29.6   26.8   -18.5   341.9   999.9   99.9   99.9   99.9   37.5   113.   43.9   110.0   13194.4   170.0   -62.4   99.9   29.8   33.8   29.6   26.8   -18.5   341.9   99.9   99.9   99.9   99.9   37.5   113.   43.9   110.0   13194.5   170.0   -62.2   99.9   301.3   34.1   26.8   26.8   -18.5   341.9   99.9   99.9   99.9   99.9   99.9   99.9   37.5   113.   43.9   110.0   13194.5   170.0   -62.2   99.9   301.3   34.1   29.1   -17.7   355.7   99.9   99.9   99.9   99.9   37.5   113.   43.9   110.0   13194.5   101.0   -62.2   99.9   301.3   34.1   29.1   -17.7   355.7   99.9   9	38.0	99.0	11651.3	218.0	-58.4	99.9	305.1	26.7	21.8	-15.3						
38-9 101-0 11944-6 208-0 -61-3 59-9 307-8 27-0 21-8 -16-9 332-6 99-9 99-9 28-4 109-39-8 39-3 102-0 1202-0 1202-0 39-8 103-0 -62-2 59-9 300-7 27-0 21-8 -17-8 332-6 99-9 99-9 99-9 29-0 109-39-8 103-0 12218-1 199-0 -62-8 99-9 310-7 31-0 23-5 -20.2 335-5 99-9 99-9 99-9 30-6 110-4 103-0 123-31-1 105-0 -62-9 99-9 310-7 31-0 23-5 -20.2 335-5 99-9 99-9 99-9 30-6 110-4 105-0 126-33-0 186-0 -64-3 99-9 30-6 110-4 105-0 126-33-0 186-0 -64-3 99-9 30-6 110-4 105-0 126-33-0 186-0 -64-3 99-9 30-6 110-4 12-4 11-4 10-0 1276-5 9 182-0 -64-7 99-9 30-4 11-4 26-8 -22-0 337-9 99-9 99-9 99-9 33-1 11-4 24-1 107-0 1276-5 9 182-0 -64-7 99-9 30-4 13-4 12-4 24-1 107-0 1276-5 9 182-0 -64-7 99-9 30-4 13-4 12-4 24-1 107-0 1276-5 9 182-0 -64-7 99-9 30-4 13-4 12-4 24-1 107-0 1276-5 9 182-0 -64-7 99-9 30-4 13-4 12-4 24-1 10-0 1276-5 9 182-0 -64-7 99-9 30-4 13-4 12-4 24-1 10-0 1276-5 9 182-0 -64-7 99-9 30-4 13-4 12-4 24-1 10-0 1276-5 9 182-0 -64-7 99-9 30-4 32-4 12-4 24-1 10-0 1376-1 13-4 10-0 -62-4 99-9 29-8 30-4 31-4 12-4 31-4 10-0 1376-1 13-4 10-0 -62-4 99-9 29-9 30-4 31-4 12-4 31-4 10-0 1376-1 13-4 10-0 -62-4 99-9 29-9 30-4 31-4 12-4 31-4 10-0 1376-1 13-4 10-0 -62-4 99-9 29-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 31-4 12-4 11-0 130-6 11-0 -62-2 99-9 30-4 30-4 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-0 130-6 11-	38.4	100.0	11796.7	213.0	-60.0	99.9	305.9	27.2								
39-8 102-0 12095-3 203-0 -62-2 59-9 30-7 27-9 21-5 -17-8 332-5 99-9 99-9 99-9 29-8 110-0 39-8 39-8 103-0 123-1 120-0 -62-8 99-9 311-0 29-0 21-8 -19-0 333-9 99-9 99-9 99-9 29-8 110-0 40-3 104-0 123-3-1 105-0 -62-9 99-9 310-0 33-6 25-7 -21-5 336-5 99-9 99-9 99-9 99-9 31-7 111-1 41-6 105-0 125-0 125-0 126-0 -64-3 99-9 310-0 33-6 25-7 -21-5 336-5 99-9 99-9 99-9 31-7 111-1 41-6 105-0 125-5 125-0 126-0 -64-3 99-9 30-8 13-1 12-4 12-1 12-4 12-1 12-4 12-1 12-4 12-5 12-5 12-4 12-5 12-5 12-5 12-5 12-5 12-5 12-5 12-5	38.9	101.0	11944.6	208.0	-61.3	99.9	307.8	27.6	21.8	-16.9	332.0	999.9				
39,8 103,0 12218-1 199.0 -62.8 99.9 311.0 29.0 21.6 -10.0 333.9 99.9 99.9 99.9 99.9 99.9 39.0 30.7 31.0 23.5 -20.2 335.5 99.9 99.9 99.9 99.9 99.0 30.6 110.4 01.9 105.0 12502.7 190.0 -63.9 99.9 310.7 31.0 23.5 -20.2 335.5 999.9 99.9 99.9 99.9 31.7 112.4 105.0 12502.7 190.0 -63.9 99.9 30.4 31.0 33.6 25.7 -21.5 336.5 999.9 99.9 99.9 99.9 31.7 112.4 11.0 12765.9 182.0 -64.7 99.9 30.8 34.6 26.8 -22.0 337.9 99.9 99.9 99.9 99.9 31.1 12.4 11.0 12765.9 182.0 -64.7 99.9 30.8 13.4 12.6 8 -22.0 337.9 99.9 99.9 99.9 99.9 99.9 33.1 112.4 11.0 12.0 12765.9 182.0 -64.7 99.9 30.8 1 34.1 26.8 -21.1 339.4 999.9 99.9 99.9 99.9 34.1 112.4 11.0 13.1 11.0 12.0 12.0 12.0 12.0 12.0 12.0 12	39.3	102.0	12095.3	203.0	-62.2	99.9	309.7	27.9	21.5	-17.8	332.9	999.9	99.9			
40.3 104.0 12343.1 195.0 -62.9 99.9 310.7 31.0 23.5 -20.2 335.5 999.9 99.9 99.9 30.6 110.4 40.6 105.0 1250.7 190.0 -63.9 99.9 310.0 33.6 25.7 -21.5 336.5 999.9 99.9 99.9 990.9 31.7 111.2 41.6 106.0 12633.0 186.0 -64.3 99.9 306.4 34.6 26.8 -22.0 337.9 999.9 99.9 990.9 33.1 1112.4 42.1 107.0 12765.9 182.0 -64.7 99.9 306.4 34.1 26.8 -21.1 339.4 999.9 99.9 990.9 33.4 1112.4 42.1 108.0 12901.7 178.0 -64.5 99.9 304.7 32.6 26.8 -18.5 341.9 999.9 99.9 990.9 33.4 1112.4 42.1 108.0 12901.7 178.0 -64.5 99.9 304.7 32.6 26.8 -18.5 341.9 999.9 99.9 990.9 35.3 113.4 43.9 110.0 13134.4 170.0 -62.4 99.9 268.8 33.4 29.3 -16.1 349.9 999.9 99.9 990.9 35.3 113.4 43.9 110.0 13134.4 170.0 -62.4 99.9 268.8 33.4 29.3 -16.1 349.9 999.9 99.9 990.9 37.5 113.4 43.5 112.0 13520.5 161.0 -62.2 99.9 301.3 34.1 29.1 -17.7 355.7 999.9 99.9 99.9 99.9 30.2 114.4 45.2 112.0 13520.5 161.0 -62.2 99.9 301.3 34.1 29.1 -17.7 355.7 999.9 99.9 99.9 99.9 99.9 44.6 114.4 46.5 114.0 13755.7 154.0 -60.9 99.9 305.1 34.8 27.6 -21.0 362.4 999.9 99.9 99.9 99.9 99.9 44.6 114.4 46.5 114.0 13755.4 150.0 -60.5 99.9 305.1 34.8 27.6 -21.0 362.4 999.9 99.9 99.9 99.9 99.9 99.9 44.0 115.4 46.1 115.0 13959.4 150.0 -60.5 99.9 305.1 33.9 27.7 -16.5 36.8 999.9 99.9 99.9 99.9 99.9 99.9 99.9	39.8	103.0	12218.1	199.0	-62.8	99.9	311.0	29.0	21.8	-19.0						
40.9 105.0 12502.7 190.0 -63.9 99.9 310.0 33.6 25.7 -21.5 336.5 999.9 99.9 99.9 99.9 33.1 111.4 10.6 10.6 12633.0 186.0 -64.3 99.9 30.4 34.6 25.8 -22.0 337.9 99.9 99.9 99.9 99.9 33.1 112.4 42.1 107.0 12765.9 182.0 -64.7 99.9 30.8 1 34.1 26.8 -21.1 330.4 999.9 99.9 99.9 99.9 33.1 112.4 42.1 107.0 12765.9 182.0 -64.5 99.9 30.8 1 34.1 26.8 -21.1 330.4 999.9 99.9 99.9 99.9 33.1 112.4 42.7 108.0 1201.7 178.0 -64.5 99.9 30.8 30.9 32.2 27.7 -16.5 346.3 999.9 99.9 99.9 99.9 36.4 113.4 43.3 109.0 13041.0 174.0 -63.1 99.9 30.9 30.9 32.2 27.7 -16.5 346.3 999.9 99.9 99.9 99.9 30.4 113.4 44.7 111.0 13368.8 165.0 -62.0 99.9 268.9 33.8 29.6 -16.4 353.5 99.9 99.9 99.9 99.9 30.2 31.4 45.2 112.0 13520.5 16.10 -62.2 99.9 301.3 34.1 22.1 -17.7 355.7 999.9 99.9 99.9 99.9 99.9 41.6 114.4 45.9 112.0 13676.1 157.0 -62.0 99.9 305.8 34.9 28.3 -20.4 356.6 99.9 99.9 99.9 99.9 99.9 41.6 114.4 45.9 112.0 13676.1 157.0 -62.0 99.9 305.8 34.9 28.3 -20.4 356.6 99.9 99.9 99.9 99.9 99.9 44.6 114.4 45.1 115.0 13959.4 150.0 -60.5 99.9 305.1 33.9 27.7 -19.5 365.8 99.9 99.9 99.9 99.9 99.9 44.0 115.4 48.0 116.0 14127.4 16.0 -61.5 99.9 303.4 33.3 27.7 -19.5 365.8 99.9 99.9 99.9 99.9 99.9 44.0 115.4 48.1 117.0 14200.5 142.0 -55.3 99.9 307.2 33.3 27.6 -18.6 367.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	40.3	104.0	12343.1	195.0	-62.9	99.9	310.7	31.0	23.5	-20.2	335.5	999.9	99.9			
41-6 106-0 12633-0 186-0 -64-3 99.9 306-4 34-6 26.8 -22.0 337.9 999.9 99.9 99.9 33.1 112.4 42.7 107-0 12765-9 182-0 -64-7 99.9 308-1 34-1 12.4 42.7 108-0 12901-7 178-0 -64-5 99.9 304-7 32.6 26.8 -18.5 341.9 999.9 99.9 99.9 99.9 99.9 34-1 112.4 42.7 108-0 12901-7 178-0 -64-5 99.9 304-7 32.6 26.8 -18.5 341.9 999.9 99.9 99.9 99.9 99.9 35.4 113.4 31.9 109.0 13041-0 174-0 -62.1 99.9 300.9 32.6 27.7 -16.5 346-3 999.9 99.9 99.9 99.9 99.9 35.4 113.4 31.9 110.0 13194-4 170.0 -62.4 99.9 28.8 33.4 29.3 -16.1 349.9 99.9 99.9 99.9 99.9 37.5 113.4 31.9 110.0 13194-5 110.0 13194-5 110.0 -62.2 99.9 28.8 33.4 29.3 -16.1 349.9 99.9 99.9 99.9 99.9 99.9 37.5 113.4 31.9 112.0 1356-8 165.0 -62.0 99.9 301.3 34.1 29.1 -17.7 355.7 99.9 99.9 99.9 99.9 39.2 114.4 46.5 112.0 13520.5 161.0 -62.2 99.9 301.3 34.1 29.1 -17.7 355.7 99.9 99.9 99.9 99.9 99.9 40.2 114.4 46.5 112.0 1375.7 154.0 -60.9 99.9 307.1 34.8 27.8 -21.0 362.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	40.9	105.0	12502.7	190.0	-63.9	99.9	310.0	33.6	25.7	-21.5	336.5	999.9				
42:1 107:0 1276:5; 162:0 -64:7 99.9 308:1 34:1 26:8 -21:1 339:4 999.9 99.9 99.9 99.9 36:1 112. 42:7 108:0 12901:7 178:0 -65:5 99.9 304:7 32:6 26:8 -18:5 341:9 999.9 99.9 99.9 99.9 99.9 35:5 113. 43:3 109:0 13041:0 174:0 -62:4 99.9 300.9 32:2 27:7 -16:5 346:3 999.9 99.9 99.9 99.9 99.9 35:5 113. 44:7 111:0 13368:8 165:0 -62:0 99.9 28:9 33.8 29.6 -16:4 353:5 999.9 99.9 99.9 99.9 37:5 113. 45:2 112:0 1350:5 161:0 -62:2 99.9 301:3 34:1 29:1 -17:7 355:7 999.9 99.9 99.9 99.9 37:5 113. 45:9 113:0 13676:1 157:0 -62:0 59.9 301:3 34:1 29:1 -17:7 355:7 999.9 99.9 99.9 99.9 41:6 114. 46:5 114:0 13755:7 154:0 -60:9 59.9 307:1 34:8 27:8 -21:0 362:4 999.9 99.9 99.9 44:0 114. 46:5 114:0 13759:4 15:0 -60:5 99.9 307:1 34:8 27:8 -21:0 362:4 999.9 99.9 99.9 99.9 44:0 115. 48:0 116:0 14127:4 146:0 -61:5 99.9 303:9 33:3 27:6 -18:6 367:0 999.9 99.9 99.9 99.9 44:0 115. 48:1 118:0 13750:1 137:0 -55:3 99.9 307:7 34:2 27:1 -20.9 375:7 999.9 99.9 99.9 99.9 99.9 99.9 99.9 9	41.6	106.0	12633.0	186.0	-64.3	99.9	309.4	34.6	26.8	-22.0	337.9	999.9	99.9	999.9		
42.7 108.0 12901.7 178.0 -64.5 99.9 304.7 32.6 26.8 -18.5 341.9 999.9 99.9 99.9 99.9 35.3 113. 43.9 110.0 13134.4 170.0 -62.4 99.9 298.8 33.4 20.3 -16.1 349.9 99.9 99.9 99.9 39.9 37.5 113. 43.9 110.0 13134.4 170.0 -62.4 99.9 298.8 33.4 20.3 -16.1 349.9 99.9 99.9 99.9 37.5 113. 44.7 111.0 1336.8 165.0 -62.0 99.9 298.9 33.8 29.6 -16.4 353.5 99.9 99.9 99.9 99.9 39.2 114. 45.2 112.0 13520.5 161.0 -62.2 99.9 301.3 34.1 20.1 -17.7 355.7 99.9 99.9 99.9 99.9 39.2 114. 45.9 113.0 13676.1 157.0 -62.0 99.9 305.8 34.9 26.3 -20.4 356.6 99.9 99.9 99.9 99.9 99.9 41.6 114. 45.9 113.0 13575.7 154.0 -60.9 99.9 305.8 34.9 26.3 -20.4 356.6 99.9 99.9 99.9 99.9 42.0 115. 47.1 115.0 13959.4 150.0 -60.5 99.9 307.1 34.8 27.8 -21.0 362.4 99.9 99.9 99.9 99.9 44.0 115. 48.0 116.0 14127.4 146.0 -61.5 99.9 305.8 34.9 27.6 -18.6 367.0 99.9 99.9 99.9 99.9 99.9 44.0 115. 48.1 117.0 14300.5 142.0 -55.3 99.9 306.8 34.1 27.3 -20.4 373.7 99.9 99.9 99.9 99.9 48.5 116. 50.1 119.0 14616.8 135.0 -55.8 99.9 307.7 34.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 99.9 99.9 51.2 116. 50.1 119.0 14616.8 135.0 -55.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 51.2 116. 50.7 120.0 14757.0 132.0 -60.5 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 51.2 116. 51.5 121.0 14988.6 128.0 -60.5 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 51.2 116. 51.5 121.0 14988.6 128.0 -60.5 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 53.5 117. 52.1 122.0 15055.9 125.0 -61.8 99.9 307.2 33.3 11.2 24.5 -19.3 379.4 99.9 99.9 99.9 99.9 53.5 117. 52.1 122.0 15055.9 125.0 -61.8 99.9 307.2 33.3 31.2 24.5 -19.3 379.4 99.9 99.9 99.9 99.9 99.9 53.5 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 54.9 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 54.9 117. 54.2 125.0 1506.8 115.0 -65.7 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 99.9 54.9 117. 55.8 126.0 1576.9 112.0 -67.3 99.9 296.2 25.1 12.2 -11.3 30.0 19.9 99.9 99.9 99.9 99.9 99.9 99.9 9	42.1	107.0	12765.9	182.0	-64.7	99.9	308.1	34.1	26.8	-21.1	339.4	999.9	99.9			
A3.3         109.0         13041.0         174.0         -63.1         99.9         300.9         32.2         27.7         -16.5         346.3         999.9         99.9	42.7	108.0	12901.7	178.0	-64.5	99.9	304.7	32.6	26.8	-18.5	341.9	999.9	99.9	999.9		
43.9   110.0   131344   170.0   -62.4   99.9   298.8   33.4   29.3   -16.1   349.9   99.9   99.9   99.9   37.5   113.4   44.7   111.0   13368.8   165.0   -62.0   99.9   298.9   33.8   29.6   -16.4   353.5   99.9   99.9   99.9   399.9   39.2   114.4   45.2   112.0   13520.5   161.0   -62.2   99.9   305.8   34.1   29.1   -17.7   355.7   99.9   99.9   99.9   99.9   40.2   114.4   45.9   113.0   13795.7   154.0   -60.9   99.9   307.1   34.8   27.8   -21.0   356.6   999.9   99.9   99.9   99.9   41.6   114.4   46.5   114.0   13795.7   154.0   -60.5   99.9   307.1   34.8   27.8   -21.0   356.8   999.9   99.9   99.9   99.9   44.0   115.4   46.1   115.0   13959.4   150.0   -60.5   99.9   307.1   34.8   27.8   -21.0   362.4   999.9   99.9   99.9   99.9   99.9   44.0   115.4   48.0   116.0   14127.4   146.0   -61.5   99.9   303.9   333.9   27.6   -18.6   367.0   999.9   99.9   99.9   99.9   99.9   44.0   115.4   48.1   117.0   14300.5   142.0   -55.3   99.9   307.7   34.2   27.1   -20.9   375.7   999.9   9		109.0	13041.0	174.0	-63.1	99.9	300.9	32.2	27.7	-16.5	346.3	999.9	99.9			
44.7 111.0 13368.8 165.0 -62.0 99.9 298.9 33.8 29.6 -16.4 353.5 999.9 99.9 99.9 39.9 39.2 114.4 45.2 112.0 13520.5 161.0 -62.2 99.9 301.3 34.1 29.1 -17.7 355.7 999.9 99.9 99.9 99.9 40.2 114.4 45.9 112.0 13676.1 157.0 -62.0 99.9 305.8 34.9 28.3 -20.4 358.6 999.9 99.9 99.9 99.9 41.6 114.4 46.5 114.0 1375.7 154.0 -60.9 99.9 307.1 34.8 27.8 -21.0 362.4 999.9 99.9 99.9 99.9 42.9 115.4 46.5 114.0 1375.7 154.0 -60.5 99.9 307.1 34.8 27.8 -21.0 362.4 999.9 99.9 99.9 99.9 44.0 115.4 46.0 1375.9 115.4 150.0 -60.5 99.9 305.8 33.9 27.7 -19.5 365.8 999.9 99.9 99.9 99.9 99.9 44.0 115.4 48.0 116.0 14127.4 146.0 -61.5 99.9 303.9 33.3 27.6 -18.6 367.0 999.9 99.9 99.9 99.9 99.9 44.0 115.4 48.1 117.0 14200.5 142.0 -55.3 99.9 30.8 34.1 27.3 -20.4 373.7 999.9 99.9 99.9 99.9 47.3 115.4 48.1 119.0 14434.2 139.0 -55.8 99.9 307.7 34.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 99.9 99.9 99.9	43.9	110.0	13194.4	170.0	-62.4	99.9	298.8	33.4	29.3	-16.1	349.9	999.9	99.9	999.9		
45.2 112.0 13676.1 161.0 -62.2 99.9 301.3 34.1 29.1 -17.7 355.7 999.9 99.9 99.9 99.9 40.2 114.2 45.9 113.0 13676.1 157.0 -62.0 99.9 305.8 34.9 28.3 -20.4 356.6 999.9 99.9 99.9 99.9 41.6 114.4 46.5 114.0 13755.7 154.0 -60.9 99.9 305.8 34.9 28.3 -20.4 356.6 999.9 99.9 99.9 99.9 42.9 115.4 47.1 115.0 13959.4 150.0 -60.5 99.9 305.1 33.9 27.7 -19.5 355.8 999.9 99.9 99.9 99.9 44.0 115.4 47.1 115.0 13959.4 150.0 -60.5 99.9 305.1 33.9 27.7 -19.5 355.8 999.9 99.9 99.9 99.9 44.0 115.4 48.0 116.0 14127.4 146.0 -61.5 99.9 305.1 33.9 27.6 -18.6 367.0 999.9 99.9 99.9 99.9 44.0 115.4 48.7 117.0 14300.5 142.0 -55.3 99.9 306.8 34.1 27.3 -20.4 373.7 999.9 99.9 99.9 99.9 47.3 115.4 49.4 118.0 14434.2 139.0 -55.5 99.9 307.7 34.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 47.3 115.5 50.7 120.0 1455.0 -59.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 99.9 50.2 116.5 50.1 119.0 14616.8 135.0 -59.8 99.9 308.3 31.2 24.5 -19.3 379.4 999.9 99.9 99.9 99.9 50.2 116.5 52.1 122.0 1505.9 125.0 -60.5 99.9 308.3 31.2 24.5 -19.3 379.4 999.9 99.9 99.9 99.9 50.2 116.5 52.1 122.0 1505.9 125.0 -61.8 99.9 310.5 27.5 21.2 -17.5 382.8 99.9 99.9 99.9 99.9 53.5 117.5 52.1 122.0 1505.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 53.5 117.5 53.4 124.0 15398.5 119.0 -64.5 99.9 307.8 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 99.9 54.9 117.5 53.4 124.0 15398.5 119.0 -64.5 99.9 307.8 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 554.9 117.5 55.8 126.0 15766.9 112.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 99.9 554.9 117.5 55.8 126.0 15766.9 112.0 -67.7 39.9 29.5 27.5 20.6 128.0 15006.8 115.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 99.9 554.9 117.5 56.6 128.0 16007.2 106.0 -69.2 99.9 29.9 29.1 1 23.8 22.2 -86. 386.0 999.9 99.9 99.9 99.9 99.9 59.9 17.7 58.0 128.0 16007.2 106.0 -69.2 99.9 29.9 29.1 23.8 22.9 20.9 -9.3 387.5 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		111.0	13368.8	165.0	-62.0	99.9	298.9	33.8	29.6	-16.4	353.5	999.9	99.9	999.9		
46.5   113.0   13676:1   157.0   -62.0   99.9   305.8   34.9   28.3   -20.4   356.6   999.9   99.9   99.9   99.9   99.9   41.6   114.4   46.0   13755:7   154.0   -60.5   99.9   307.1   33.9   27.7   -19.5   365.8   999.9   99.9   99.9   99.9   99.9   42.9   115.4   41.5   41	45.2	112.0	13520.5	161.0	-62.2	99.9	301.3	34.1	29.1	-17.7	355.7	999.9	99.9	999.9		
46.5 114.0 13795.7 154.0 -60.9 99.9 307.1 34.8 27.8 -21.0 362.4 999.9 99.9 99.9 99.9 42.9 115. 47.1 115.0 1395.9 150.0 -60.5 99.9 305.1 33.9 27.7 -19.5 365.8 999.9 99.9 99.9 99.9 44.0 115. 48.0 116.0 14127.4 146.0 -61.5 99.9 305.1 33.9 27.6 -18.6 367.0 999.9 99.9 99.9 99.9 99.9 45.8 115. 48.7 117.0 14200.5 142.0 -55.3 99.9 306.8 34.1 27.3 -20.4 373.7 999.9 99.9 99.9 99.9 45.8 115. 50.1 119.0 14434.2 139.0 -59.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 48.5 116. 50.1 119.0 14616.8 135.0 -59.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 50.2 116. 50.1 119.0 14648.6 128.0 -60.5 99.9 308.3 31.2 24.5 -19.3 379.4 999.9 99.9 99.9 99.9 50.2 116. 51.5 121.0 14948.6 128.0 -60.5 99.9 308.3 31.2 24.5 -19.3 379.4 999.9 99.9 99.9 99.9 52.6 117. 52.1 122.0 150.5.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 53.5 117. 52.1 122.0 150.5.9 125.0 -63.1 99.9 311.6 20.0 14.9 -13.3 383.3 999.9 99.9 99.9 99.9 54.3 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 99.9 54.3 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 99.9 55.6 118. 55.1 126.0 15766.9 112.0 -67.3 99.9 296.7 20.6 12.5 18.0 -10.7 385.2 999.9 99.9 99.9 99.9 55.0 118. 55.8 127.0 15030.1 109.0 -68.4 99.9 295.7 20.6 12.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.0 118. 55.8 127.0 15030.1 109.0 -68.4 99.9 295.7 20.6 12.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.0 118. 55.8 127.0 16684.3 100.0 -71.3 99.9 291.1 23.8 22.2 -8.6 389.0 99.9 99.9 99.9 99.9 59.9 17.0 17. 58.0 130.0 1643.6 100.0 -71.3 99.9 291.1 23.8 22.2 -8.6 389.0 99.9 99.9 99.9 99.9 99.9 99.9 66.2 117. 58.0 130.0 1643.6 100.0 -71.3 99.9 291.1 12.8 22.2 -8.6 389.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9				157.0	-62.0	99.9	305.8	34.9	28.3	-20.4	358.6	999.9	99.9			
48.0 116.0 13959.4 150.0 -60.5 99.9 305.1 33.9 27.7 -10.5 365.8 999.9 99.9 99.9 99.9 44.0 115.4 48.0 116.0 14127.4 146.0 -61.5 99.9 303.9 33.3 27.6 -18.6 367.0 999.9 99.9 99.9 99.9 45.8 115.4 48.7 117.0 14300.5 142.0 -55.3 99.9 306.8 33.1 27.3 -20.4 373.7 999.9 99.9 99.9 99.9 47.3 115.4 49.4 118.0 1434.2 139.0 -55.5 99.9 307.7 38.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 99.9 150.2 116.5 119.0 14616.8 135.0 -55.8 99.9 307.7 38.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 99.9 50.2 116.5 121.0 140.0 140.0 140.0 132.0 -60.5 99.9 30.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 1				154.0	-60.9	99.9	307.1	34.8	27.8	-21.0	362 . 4	999.9	99.9	999.9		
48.0 116.0 14127.4 146.0 -61.5 99.9 303.9 303.3 27.6 -18.6 367.0 99.9 99.9 99.9 99.9 45.8 115.  48.7 117.0 14300.5 142.0 -55.3 99.9 306.8 34.1 27.3 -20.4 373.7 999.9 99.9 99.9 99.9 47.3 115.  49.4 118.0 14434.2 139.0 -59.5 99.9 307.7 34.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 47.3 115.  50.1 119.0 14616.8 135.0 -59.8 99.9 307.2 33.3 26.5 -20.1 378.2 99.9 99.9 99.9 99.9 50.2 116.  50.7 120.0 14757.0 132.0 -60.5 99.9 307.2 33.3 26.5 -20.1 378.2 99.9 99.9 99.9 99.9 50.2 116.  £1.5 121.0 14948.6 128.0 -60.5 99.9 309.5 27.5 21.2 -17.5 382.8 99.9 99.9 99.9 99.9 52.6 117.  52.1 122.0 15055.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 53.5 117.  52.1 122.0 15055.9 125.0 -61.8 99.9 310.5 20.0 14.9 -13.3 383.3 99.9 99.9 99.9 99.9 53.5 117.  53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 56.9 117.  55.1 126.0 15766.9 112.0 -67.3 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 56.1 116.  55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 385.0 99.9 99.9 99.9 99.9 57.9 117.  56.6 128.0 16097.2 106.0 -69.2 99.9 295.7 20.6 18.5 -8.9 386.0 99.9 99.9 99.9 99.9 58.9 117.  58.0 130.0 16443.6 100.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 99.9 99.9 99.9 99.9 58.9 117.  58.9 131.0 1668.4 3 96.0 -72.4 99.9 292.2 25.1 23.3 -9.5 390.1 99.9 99.9 99.9 99.9 99.9 60.9 117.  58.9 131.0 1668.4 3 96.0 -72.4 99.9 292.2 25.1 23.3 -9.5 390.1 99.9 99.9 99.9 99.9 99.9 60.9 117.  58.9 131.0 1668.4 3 96.0 -72.4 99.9 292.2 25.1 23.3 -9.5 390.1 99.9 99.9 99.9 99.9 60.9 117.  58.9 132.0 1671.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 99.9 99.9 99.9 99.9 66.9 117.  58.0 134.0 17065.3 90.0 -70.6 99.9 303.9 29.2 25.8 23.7 -15.9 397.3 99.9 99.9 99.9 99.9 66.9 117.  58.0 134.0 17065.3 90.0 -70.6 99.9 303.9 29.1 15.1 15.1 -11.7 408.6 99.9 99.9 99.9 99.9 99.9 66.9 118.  60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 29.0 17.9 10.7 -14.3 418.0 99.9 99.9 99.9 99.9 99.9 66.9 118.  60.6 133.0 17065.3 16.0 17065.3 90.0 -70.6 99.9 303.9 11.0 15.1 -11.7 408.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	47.1	115.0		150.0	-60.5	99.9	305.1	33.9	27.7	-19.5	365.8	999.9	99.9	999.9		
48.7 117.0 14300.5 142.0 -55.3 99.9 306.8 34.1 27.3 -20.4 373.7 999.9 99.9 99.9 99.9 47.3 115.4 49.4 118.0 14434.2 139.0 -55.5 99.9 307.7 34.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 48.5 116.5 50.1 119.0 14616.8 135.0 -55.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 50.2 116.5 50.7 120.0 14757.0 132.0 -60.5 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 50.2 116.5 51.5 121.0 14548.6 128.0 -60.5 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 51.2 116.5 51.5 121.0 14548.6 128.0 -60.5 99.9 309.5 27.5 21.2 -17.5 382.8 999.9 99.9 99.9 99.9 53.5 117.5 52.1 122.0 15095.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 99.9 53.5 117.5 52.7 123.0 15245.8 122.0 -63.1 99.9 311.6 20.0 14.9 -13.3 383.3 999.9 99.9 99.9 99.9 54.3 117.5 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 99.9 54.3 117.5 54.2 125.0 15606.8 115.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 99.9 54.3 117.5 55.1 126.0 15766.9 112.0 -67.3 99.9 295.7 20.6 18.5 -8.9 385.0 999.9 99.9 99.9 99.9 57.0 118.5 55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 99.9 57.0 118.5 55.8 127.0 15930.1 109.0 -68.4 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 99.9 57.9 117.5 56.6 128.0 16097.2 106.0 -69.2 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 99.9 99.9 99.9				146.0	-61.5	99.9	303.9	33.3	27.6	-18.6	367.0	999.9	99.9	999.9		
49.4 118.0 1443.4.2 139.0 -55.5 99.9 307.7 34.2 27.1 -20.9 375.7 999.9 99.9 99.9 99.9 16.5 116. 50.1 119.0 14616.8 135.0 -55.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 99.9 50.2 116. 50.7 120.0 14757.0 132.0 -60.5 99.9 308.3 31.2 24.5 -19.3 379.4 99.9 99.9 99.9 99.9 99.9 51.2 116. £1.5 121.0 14948.6 128.0 -60.5 99.9 309.5 27.5 21.2 -17.5 382.8 99.9 99.9 99.9 99.9 52.6 117. 52.1 122.0 15095.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 99.9 52.6 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 54.9 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 99.9 99.9 99.9 99.9 54.9 117. 55.1 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 99.9 99.9 99.9 99.9 57.9 117. 55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.0 118. 55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 99.9 99.9 99.9 99.9 99.9 57.0 118. 55.8 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 99.9 99.9 99.9 99.9 99.9 58.9 117. 56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.2 25.1 23.3 -9.5 390.1 99.9 99.9 99.9 99.9 99.9 99.9 17.5 117. 58.0 130.0 16483.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 99.9 99.9 99.9 99.9 99.9 99.9 17.5 117. 58.9 131.0 16684.3 96.0 -72.4 99.9 292.6 25.8 22.7 -12.4 302.3 99.9 99.9 99.9 99.9 99.9 99.9 17.5 117.5 11.5 11.5 11.5 11.5 11.5 11.	48.7	117.0	14300.5	142.0	-59.3	99.9	306.8	34.1	27.3	-20.4	373.7	999.9	99.9	999.9		
50.1 119.0 14616.8 135.0 -56.8 99.9 307.2 33.3 26.5 -20.1 378.2 999.9 99.9 99.9 50.2 116. 50.7 120.0 14757.0 132.0 -60.5 99.9 308.3 31.2 24.5 -19.3 379.4 999.9 99.9 99.9 51.2 116. 51.5 121.0 14948.6 128.0 -60.5 99.9 309.5 27.5 21.2 -17.5 382.8 999.9 99.9 99.9 52.6 117. 52.1 122.0 15095.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 53.5 117. 52.7 123.0 15245.8 122.0 -63.1 99.9 311.6 20.0 14.9 -13.3 383.3 999.9 99.9 99.9 99.9 54.9 117. 53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 54.9 117. 54.2 125.0 15606.8 115.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 56.1 118. 55.1 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 99.9 57.0 118. 55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 59.9 57.9 117. 56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 99.9 59.9 117. 56.0 130.0 16443.6 100.0 -71.3 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 59.9 117. 56.9 131.0 16684.3 96.0 -72.4 99.9 292.2 25.1 23.3 -9.5 390.1 99.9 99.9 99.9 99.9 99.9 62.2 117. 59.8 132.0 16871.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 63.9 117. 61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.9 118. 62.2 135.0 17669.2 81.0 -66.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 66.9 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 66.0 118.			14434.2	139.0	-59.5	99.9	307.7	34.2	27.1	-20.9	375.7	999.9	99.9	99 9. 9		
50.7 120.0 14757.0 132.0 -60.5 99.9 308.3 31.2 24.5 -19.3 379.4 999.9 99.9 99.9 99.9 51.2 116.  51.5 121.0 14948.6 128.0 -60.5 99.9 309.5 27.5 21.2 -17.5 382.8 999.9 99.9 99.9 99.9 52.6 117.  52.1 122.0 1505.9 125.0 -61.8 99.9 310.5 23.7 18.0 -15.4 383.1 999.9 99.9 99.9 99.9 52.6 117.  52.7 123.0 15245.8 122.0 -63.1 99.9 311.6 20.0 14.9 -13.3 383.3 999.9 99.9 99.9 99.9 54.3 117.  53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 54.9 117.  53.2 125.0 1506.8 115.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 57.9 117.  55.1 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 99.9 57.0 118.  55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.9 117.  56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 58.9 117.  57.3 129.0 16268.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 58.9 117.  58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 60.9 117.  59.8 132.0 16611.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 65.2 117.  60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 19.8 -13.3 403.4 999.9 99.9 99.9 65.0 117.  61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 66.1 118.  62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 99.9 99.9 99.9 99.9 66.2 118.  64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 69.9 69.9 118.	50.1	119.0	1461€.8	135.0	-59.8	99.9	307.2	33.3	26.5	-20.1	378.2	999.9	99.9	999.9		
51.5       121.0       14948.6       128.0       -60.5       99.9       309.5       27.5       21.2       -17.5       382.8       999.9       99.9       99.9       52.6       117.         52.1       122.0       15055.9       125.0       -61.8       99.9       310.5       23.7       18.0       -15.4       383.1       999.9       99.9       99.9       53.5       117.         52.7       123.0       15245.8       122.0       -63.1       99.9       311.6       20.0       14.9       -13.3       383.3       999.9       99.9       99.9       53.4       117.         53.4       124.0       15398.5       119.0       -64.5       99.9       307.4       19.9       15.8       -12.1       383.6       999.9       99.9       99.9       54.9       117.         54.2       125.0       15606.8       115.0       -65.7       99.9       300.8       21.0       18.0       -10.7       385.2       999.9       99.9       99.9       56.1       118.         55.1       126.0       15766.9       112.0       -67.3       99.9       295.7       20.6       18.5       -8.9       386.0       999.9       99.9       9			14757.0	132.0	-60.5	99.9	308.3	31.2	24.5	-19.3	379.4	999.9		999.9		
52:1 122:0 15095:9 125:0 -61:8 99.9 310:5 23.7 18:0 -15:4 383:1 999.9 99.9 99.9 99.9 53.5 117: 52:7 123:0 15245:8 122:0 -63:1 99.9 311:6 20:0 14:9 -13:3 383:3 999.9 99.9 99.9 99.9 54:3 117: 53:4 124:0 15398:5 119:0 -64:5 99.9 307:4 19.9 15:8 -12:1 383:6 999.9 99.9 99.9 99.9 54:3 117: 54:2 125:0 15606:8 115:0 -65:7 99.9 300:8 21:0 18:0 -10:7 385:2 999.9 99.9 99.9 99.9 56:1 118: 55:1 126:0 15766:9 112:0 -67:3 99.9 296:3 19:1 17:1 -8:5 385:0 999.9 99.9 99.9 99.9 56:1 118: 55:8 127:0 15930:1 109:0 -68:4 99.9 295:7 20:6 18:5 -8:9 386:0 999.9 99.9 99.9 99.9 57:0 118: 55:8 127:0 15930:1 109:0 -68:4 99.9 295:7 20:6 18:5 -8:9 386:0 999.9 99.9 99.9 99.9 57:9 117: 56:6 128:0 1607:2 106:0 -69:2 99.9 293:9 22.9 20.9 -9:3 387:5 999.9 99.9 99.9 99.9 58:9 117: 57:3 129:0 16268:3 103:0 -70:1 99.9 291:1 23:8 22:2 -8:6 389:0 999.9 99.9 99.9 99.9 59.9 117: 58:0 130:0 16443:6 100:0 -71:3 99.9 292:2 25:1 23:3 -9:5 390:1 999.9 99.9 99.9 99.9 99.9 17: 58:9 131:0 16684:3 96:0 -72:4 99.9 298:6 25:8 22:7 -12:4 392:3 999.9 99.9 99.9 99.9 99.9 63:9 117: 59:8 132:0 1607:2 3 90:0 -70:6 99.9 303:8 28:5 23:7 -15:9 397:3 999.9 99.9 99.9 99.9 99.9 66:2 117: 60:6 133:0 170:65:3 90:0 -70:6 99.9 303:9 23:8 19:8 -13:3 403:4 999.9 99.9 99.9 99.9 66:1 118: 61:4 134:0 172:65:6 87:0 -72:2 99.9 307:9 19:1 15:1 -11:7 404:0 999.9 99.9 99.9 99.9 66:2 118: 64:3 137:0 1791:4:5 78:0 -69:2 99.9 339:6 15:0 5:2 -14:0 423:0 999.9 99.9 99.9 99.9 66:2 118:	51.5	121.0	14948.6	128.0	-60 <sub>0</sub> 5	99.9	309.5	27.5	21.2	-17.5	382.8	999.9	99.9	999.9		
52.7 123.0 15245.8 122.0 -63.1 99.9 311.6 20.0 14.9 -13.3 383.3 999.9 99.9 99.9 99.9 54.3 117.  53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 99.9 54.9 117.  53.2 125.0 15606.8 115.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 99.9 56.1 118.  55.1 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 57.0 118.  55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 57.9 117.  56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 57.9 117.  57.3 129.0 16268.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 59.9 117.  58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 59.9 117.  58.9 131.0 16684.3 96.0 -72.4 99.9 298.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 99.9 62.2 117.  58.9 131.0 16684.3 96.0 -72.4 99.9 298.6 25.8 22.7 -15.9 397.3 999.9 99.9 99.9 63.9 117.  60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 65.0 117.  61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 66.1 118.  62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.2 118.  64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 99.9 69.0 118.				125.0	-61.8	99.9	310.5	23.7	18.0	-15.4	383.1	999.9	99.9	999.9		
53.4 124.0 15398.5 119.0 -64.5 99.9 307.4 19.9 15.8 -12.1 383.6 999.9 99.9 99.9 99.9 54.9 117. 54.2 125.0 15606.8 115.0 -65.7 99.9 300.8 21.0 18.0 -10.7 385.2 999.9 99.9 99.9 59.9 55.1 118. 55.1 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 99.9 57.0 118. 55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.9 117. 56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 99.9 58.9 117. 57.3 129.0 1628.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 58.9 117. 58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 60.9 117. 58.9 131.0 16684.3 96.0 -72.4 99.9 298.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 99.9 62.2 117. 59.8 132.0 16671.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 62.2 117. 60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 65.0 117. 61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 66.9 118. 62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.2 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 99.9 69.0 118.			15245.8	122.0	-63.1	99.9	311.6	20.0	14.9	-13.3	383.3	999.9	99.9	999.9		
58.0 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 99.9 56.1 118.  55.1 126.0 15766.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 99.9 57.0 118.  55.8 127.0 15330.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 117.  56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 99.9 58.9 117.  57.3 129.0 16268.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 58.9 117.  58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 117.  58.9 131.0 16684.3 96.0 -72.4 99.9 298.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 99.9 99.9 117.  59.8 132.0 16871.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 63.9 117.  60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 99.9 65.0 117.  61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.1 118.  62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.2 118.  64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 99.9 69.0 118.	53.4	124.0	15398.5	119.0	-64.5	99.9	307.4	19.9	15.8	-12.1	383.6	999.9	99.9	999.9		
55.1 126.0 1576.6.9 112.0 -67.3 99.9 296.3 19.1 17.1 -8.5 385.0 999.9 99.9 99.9 99.9 57.0 118.  55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.9 117.  56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 99.9 58.9 117.  57.3 129.0 16268.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 59.9 117.  58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 60.9 117.  58.9 131.0 16684.3 96.0 -72.4 99.9 298.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 62.2 117.  59.8 132.0 16871.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 62.2 117.  60.6 133.0 17065.3 90.0 -70.6 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 65.0 117.  61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.1 118.  62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.0 118.	54.2	125.0	15606.8	115.0	-65.7	99.9	300.8	21.0	18.0	-10.7	385.2	999.9	99.9	999.9		
55.8 127.0 15930.1 109.0 -68.4 99.9 295.7 20.6 18.5 -8.9 386.0 999.9 99.9 99.9 99.9 57.9 117.  56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 59.9 117.  57.3 129.0 1628.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 59.9 117.  58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 60.9 117.  58.0 131.0 16684.3 96.0 -72.4 99.9 292.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 60.9 117.  59.8 132.0 16671.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 62.2 117.  60.6 133.0 17065.3 93.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 65.0 117.  61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 66.1 118.  62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 99.9 99.9 99.9 99.9 66.2 118.  63.3 136.0 17689.2 81.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 99.9 69.0 118.	55.1	126.0	15766.9	112.0	-67.3	99.9	296.3	19.1	17.1	-8.5	385.0	999.9	99.9	999.9		
56.6 128.0 16097.2 106.0 -69.2 99.9 293.9 22.9 20.9 -9.3 387.5 999.9 99.9 99.9 98.9 117. 57.3 129.0 16268.3 103.0 -70.1 99.9 291.1 23.8 22.2 -8.6 389.0 999.9 99.9 99.9 99.9 58.9 117. 58.0 130.0 16443.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 117. 58.9 131.0 16684.3 96.0 -72.4 99.9 292.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 99.9 99.9 117. 59.8 132.0 16871.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 62.2 117. 59.8 132.0 16071.3 93.0 -70.6 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 63.9 117. 60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 99.9 663.9 117. 61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.1 118. 62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 99.9 99.9 99.9 99.9 66.9 118. 63.3 136.0 17689.2 81.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 99.9 69.0 118.	55.8	127.0	15930.1	109.0	-68.4	99.9	295.7	20.6	18.5	-8.9	386.0	999.9				
57-83 129-0 16268-3 103-0 -70-1 99-9 291-1 23-8 22-2 -8-6 389-0 999-9 99-9 99-9 59-9 117- 58-0 130-0 16443-6 100-0 -71-3 99-9 292-2 25-1 23-3 -9-5 390-1 999-9 99-9 99-9 60-9 117- 58-9 131-0 16684-3 96-0 -72-4 99-9 298-6 25-8 22-7 -12-4 392-3 999-9 99-9 99-9 62-2 117- 59-8 132-0 16871-3 93-0 -71-7 99-9 303-8 28-5 23-7 -15-9 397-3 999-9 99-9 99-9 63-9 117- 60-6 133-0 17065-3 90-0 -70-6 99-9 303-9 23-8 19-8 -13-3 403-4 999-9 99-9 99-9 65-0 117- 61-4 134-0 17265-6 87-0 -72-2 99-9 307-9 19-1 15-1 -11-7 404-0 999-9 99-9 99-9 66-1 118- 62-2 135-0 17402-9 85-0 -71-3 99-9 310-3 19-6 15-0 -12-7 408-6 999-9 99-9 99-9 66-2 118- 63-3 136-0 17689-2 81-0 -69-2 99-9 339-6 15-0 5-2 -14-0 423-0 999-9 99-9 99-9 69-0 118-	56.6	128.0	16097.2	106.0	-69.2	99.9	293.9	22.9	20.9	-9.3	387.5	999.9	99.9	999.9		
58.0 130.0 16483.6 100.0 -71.3 99.9 292.2 25.1 23.3 -9.5 390.1 999.9 99.9 99.9 99.9 60.9 117. 58.9 131.0 16684.3 96.0 -72.4 99.9 292.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 99.9 62.2 117. 59.8 132.0 16971.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 62.2 117. 60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 65.0 117. 61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.1 118. 62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.1 118. 63.3 136.0 17689.2 81.0 -69.5 99.9 323.0 17.9 10.7 -14.3 418.0 999.9 99.9 99.9 99.9 66.2 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 69.0 118.	5703		16268.3	103.0	-70.1	99.9	291.1	23.8	22.2	-8.6	389.0	999.9	99.9			
58.9 131.0 16684.3 96.0 -72.4 99.9 298.6 25.8 22.7 -12.4 392.3 999.9 99.9 99.9 99.9 62.2 117. 59.8 132.0 16871.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 63.9 117. 60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 99.9 63.9 117. 61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.1 118. 62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.9 118. 63.3 136.0 17689.2 81.0 -69.5 99.9 323.0 17.9 10.7 -14.3 418.0 999.9 99.9 99.9 99.9 66.2 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 99.9 69.0 118.	58.0	130.0	16443.6	100.0	-71.3	99.9	292.2	25.1	23.3	-9.5	390.1	999.9	99.9			
59.8 132.0 16871.3 93.0 -71.7 99.9 303.8 28.5 23.7 -15.9 397.3 999.9 99.9 99.9 99.9 63.9 117. 60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 99.9 65.0 117. 61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 66.1 118. 62.2 135.0 174.02.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 66.9 118. 63.3 136.0 17689.2 81.0 -69.5 99.9 323.0 17.9 10.7 -14.3 418.0 999.9 99.9 99.9 99.9 68.2 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 69.0 118.			16684.3	96.0	-72.4	99.9	298.6	25.8	22.7	-12.4	392.3	999.9	99.9			
60.6 133.0 17065.3 90.0 -70.6 99.9 303.9 23.8 19.8 -13.3 403.4 999.9 99.9 99.9 65.0 117.6 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 99.9 66.1 118.6 12.1 17.0 17.0 17.0 17.0 17.0 17.0 17.0 17	59.8		16871.3	93.0	-71.7	99.9	303.8	28.5	23.7	-15.9	397.3	999.9	99.9	999.9		
61.4 134.0 17265.6 87.0 -72.2 99.9 307.9 19.1 15.1 -11.7 404.0 999.9 99.9 99.9 66.1 118. 62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 99.9 99.9 99.9 99.9 66.9 118. 63.3 136.0 17689.2 81.0 -69.5 99.9 323.0 17.9 10.7 -14.3 418.0 999.9 99.9 99.9 99.9 66.2 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 69.0 118.					-70.6	99.9	303.9	23.8	19.8	-13.3	403.4	999.9				
62.2 135.0 17402.9 85.0 -71.3 99.9 310.3 19.6 15.0 -12.7 408.6 999.9 99.9 99.9 99.9 66.9 118. 63.3 136.0 17689.2 81.0 -69.5 99.9 323.0 17.9 10.7 -14.3 418.0 999.9 99.9 99.9 68.2 118. 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 69.0 118.						99.9	307.9	19.1	15.1	-11.7	404.0					
63.3 136.0 17689.2 81.0 -69.5 99.9 323.0 17.9 10.7 -14.3 418.0 999.9 99.9 99.9 68.2 118.6 64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 99.9 69.0 118.				85.0	-71.3	99.9	310.3	19.6	15.0	-12.7	408.6	999.9	99.9			
64.3 137.0 17914.5 78.0 -69.2 99.9 339.6 15.0 5.2 -14.0 423.0 999.9 99.9 999.9 69.0 118.	63.3	136.0		81.0	-69.5	99.9	323.0		10.7							
45 F 170 A 1014 B B 7 F	64.3	137.0	17914.5	78.0	-69.2	99.9	339.6	15.0	5.2	-14.0	423.0	999.9	99.9			
	65.5	138.0	18148.2	75.0	-70.1	99.9	8.2	8.0	-1 - 1	-7.9	425.9	999.9				

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 208 CHARLESTON, SC

						23	APRIL	1975							
							2315 G	MT					1	55 18	. 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
66.6	139.0	18391.5	72.0	-69.2	99.9	313.6	11.1	8.0	-7.6	432.8	999.9	99.9	999.9	69.9	119.
67.7	140.0	18646.9	69.0	-67.3	99.9	314.6	9.1	6.5	-6.4	442.2	999.9	99.9	999.9	70.6	119.
68.9	141.0	18915.6	66.0	-66.3	99.9	329.1	12.1	6.2	-10.4	450.1	999.9	99.9	999.9	71.3	120.
70.2	142.0	19197.5	63.0	-66.3	99.9	357.0	7.4	0 • 4	-7.3	456.2	999.9	99.9	999.9	71.9	120.
71.6	143.0	19493.9	60.0	-65e3	99.9	334.2	2.9	1.3	-2.6	464.8	999.9	99.9	999.9	72.0	120.
73.0	144.0	19807.0	57.0	64.3	99.9	324.0	5.6	3.3	-4.5	473.9	999.9	99.9	999.9	72.1	120.
74.5	145.0	20139.3	54.0	-62.4	99.9	2.1	6.0	-0.2	-6.0	485.7	999.9	99.9	999.9	72.8	121.
76.0	146.0	20491.5	51.0	-63·1	99.9	179.9	3.0	-0.0	3.0	491.9	999.9	99.9	999.9	72.6	121.
77.5	147.0	20864.8	48.0	-62.8	99.9	300.7	10.4	9.0	-5.3	501.4	999.9	99.9	999.9	72.9	121.
79.2	148.0	21263.9	45.0	-61.3	99.9	296.6	3.9	3.5	-1.7	514.4	999.9	99.9	999.9	74.1	121.
80.9	149.0	21546.8	43.0	-60.2	99.9	324.9	4.6	2.6	-3.7	523.8	999.9	99.9	999.9	74.4	121.
82.8	150.0	22000.9	40.0	-57.4	99.9	323.9	12.0	701	-9.7	541.7	999.9	99.9	999.9	75.4	121.
84.6	151.0	22494.9	37.0	-56.2	99.9	324.9	8.1	4.6	-E. 6	556.9	999.9	99.9	999.9	76.0	121.
86.6	152.0	23033.8	34.0	-54.9	99.9	279.7	0.7	0.7	-0.1	574.0	999.9	99.9	999.9	76.8	122.
88.6	153.0	23624.7	31.0	-54.6	99.9	248.0	3.8	3.5	1.4	590.3	999.9	99.9	999.9	77.2	121.
90.8	154.0	24051.5	29.0	-54.8	99.9	320.9	2.3	1.5	-1.8	601.2	999.9	99.9	999.9	77.3	121.
93, 2	155.0	24750 . 6	26.0	-54.4	99.9	316.7	9.2	6.3	-6.7	621.2	999.9	99.9	999.9	78 · 1	121.
95.8	156.0	25540.3	23.0	-52e1	99.9	327.7	9.3	5.0	-7.9	650.3	999.9	99.9	999.9	79.3	122.
98.8	157.0	26449.7	20.0	-4909	99.9	321.9	0.7	0.4	-0.5	683.4	999.9	99.9	999.9	80.1	122.
102-1	158-0	27137.5	18-0	-50-7	99.9	999.9	99.9	99.9	99.9	701.0	999.9	99.9	000.0	999.0	999

Figure 2. (Concluded).

# TABLE 4. EXPLANATION OF COLUMN HEADINGS OF TABULATED SOUNDING DATA FOR THE AVSSE II EXPERIMENT

TIME (MIN)	Time after balloon release.
CNTCT	Contact number.
HEIGHT (GPM)	Height of corresponding pressure surface in geopotential meters.
PRES (MB)	Pressure in millibars.
TEMP (DG C)	Ambient temperature in degrees Celsius. Note: An asterisk indicates that time from release and/or temperature were linearly interpolated.
DEW PT (DG C)	Dew point temperature in degrees Celsius.
DIR (DG)	Wind direction measured clockwise from true north and is the direction from which the wind is blowing.
SPEED (M/SEC)	Scalar wind speed in meters per second.  Note: An asterisk indicates that wind quantities are based on an elevation angle that is between 10° and 6°. A double asterisk indicates that the elevation angle is less than 6°.
U COMP (M/SEC)	The E-W wind component, positive toward the east and negative toward the west.
V COMP (M/SEC)	The N-S wind component, positive toward the north and negative toward the south.
POT T (DG K)	Potential temperature in degrees Kelvin.
E POT T (DG K)	Equivalent potential temperature in degrees Kelvin.
MX RTO (GM/KG)	Mixing ratio in grams per kilogram.
RH (PCT)	Relative humidity in percent.
RANGE (KM)	Distance balloon is from release point along a radius vector.
AZ (DG)	Direction toward balloon measured clockwise from true north.

TABLE 5. LIST OF MISSING SOUNDINGS

Station	Date/GMT	Reason for Omission
562 North Platte, Nebraska	25/0600	Sounding not taken.
486 Fort Totten, New York	25/0600	Pen out of ink, no visible trace.
11001 Marshall Space Flight Center, Alabama	24/0000	Sounding not taken.
402 Wallops Island, Virginia	24/0000 24/0600 24/1200 25/0000 25/1200	Wind data only missing. Thermodynamic data were computed normally.
22002 Fort Sill, Oklahoma	24/0000 24/1500 24/2100 25/0600 25/1200	Soundings not taken.

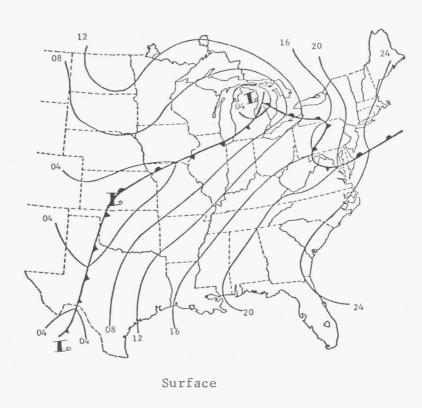
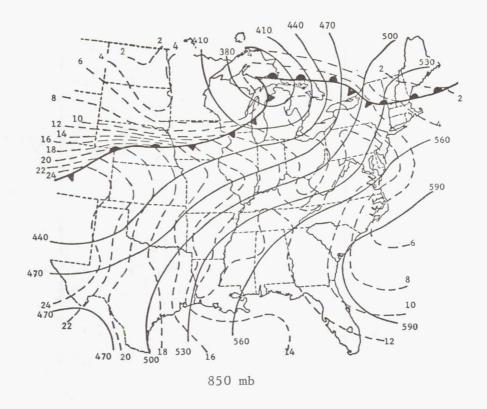


Figure 3. Synoptic charts for 0000 GMT, 24 April 1975.



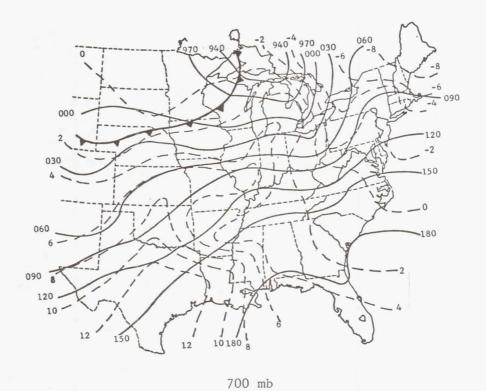


Figure 3. (Continued).





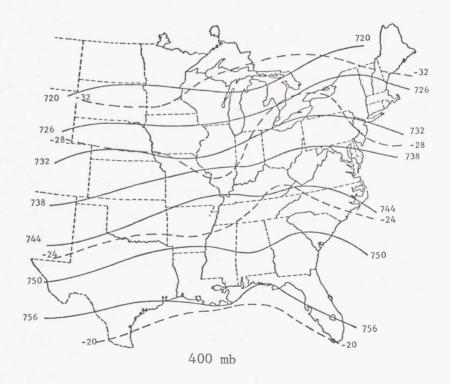


Figure 3. (Continued).

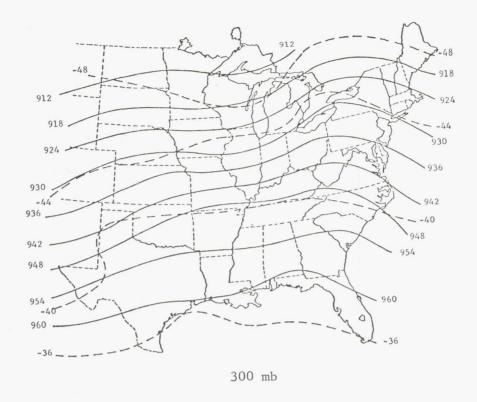
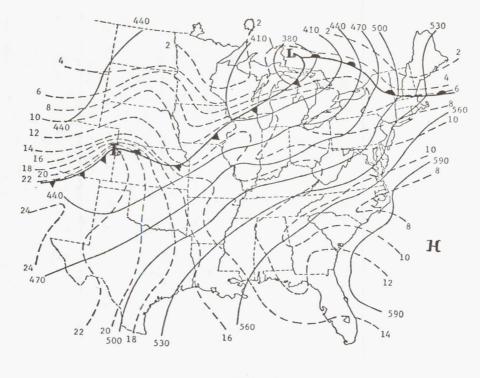




Figure 3. (Concluded).



Figure 4. Synoptic charts for 0600 GMT, 24 April 1975.





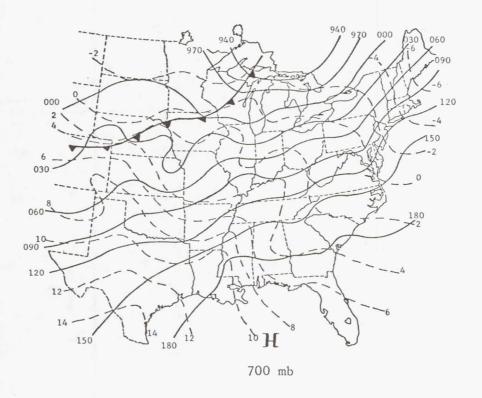
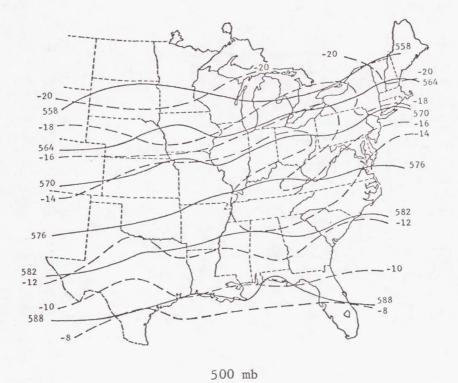


Figure 4. (Continued).



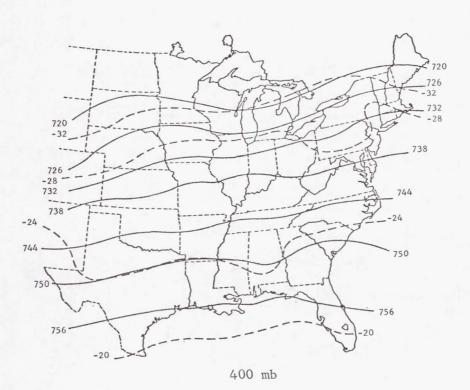
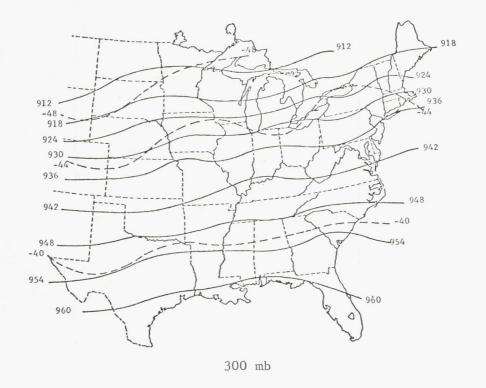


Figure 4. (Continued).



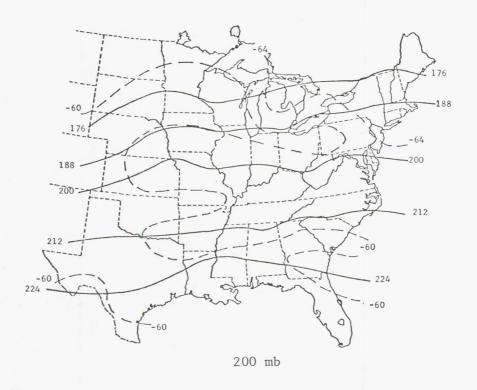
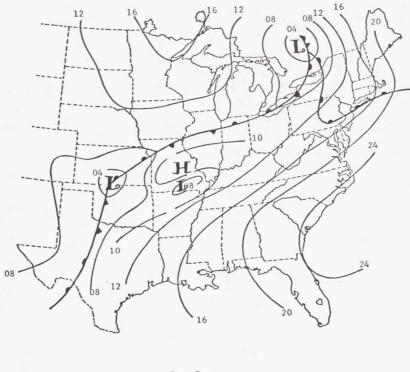


Figure 4. (Concluded).



Surface

Figure 5. Synoptic charts for 1200 GMT, 24 April 1975.

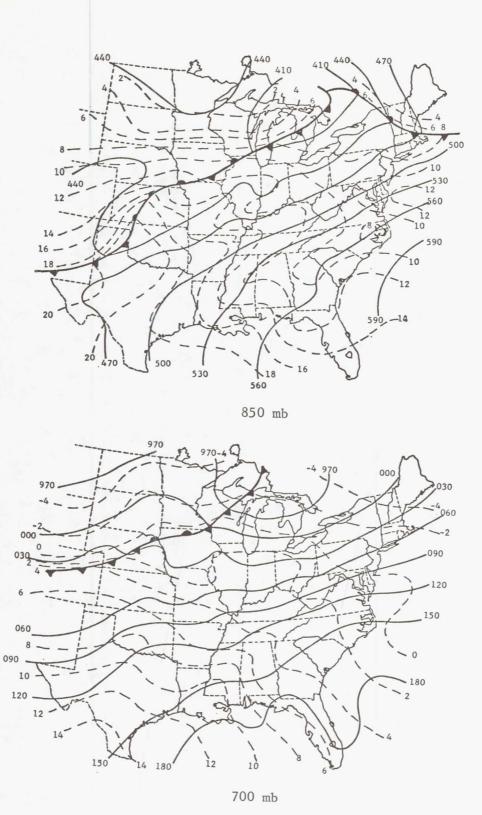
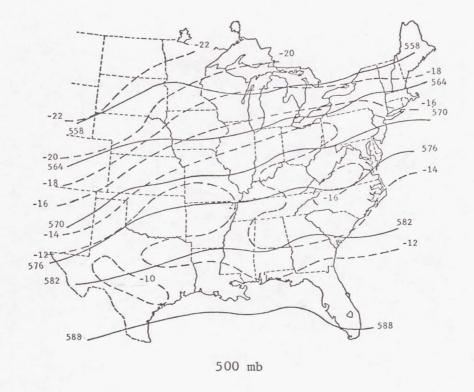


Figure 5. (Continued).



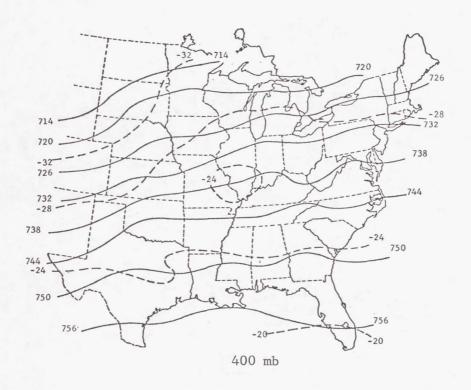
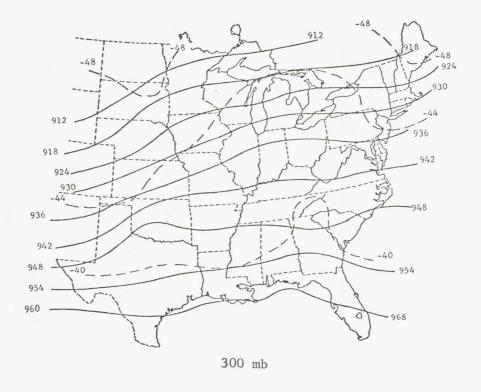


Figure 5. (Continued).



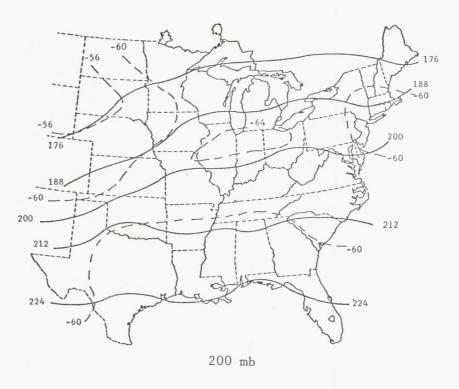


Figure 5. (Concluded).

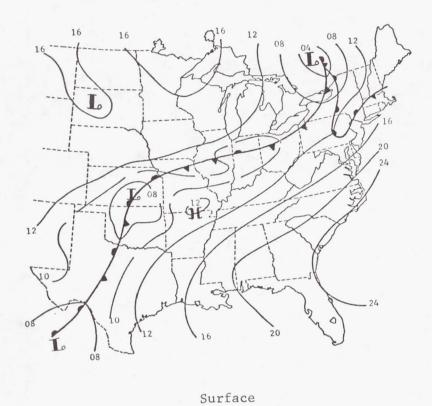
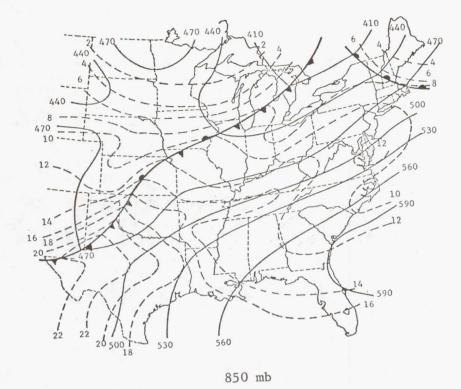


Figure 6. Synoptic charts for 1500 GMT, 24 April 1975.



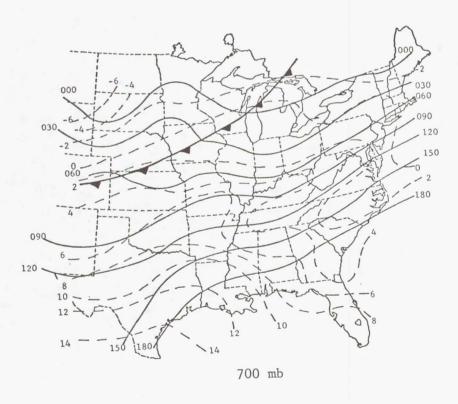
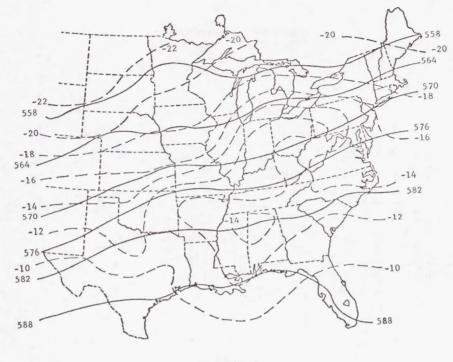


Figure 6. (Continued).



500 mb

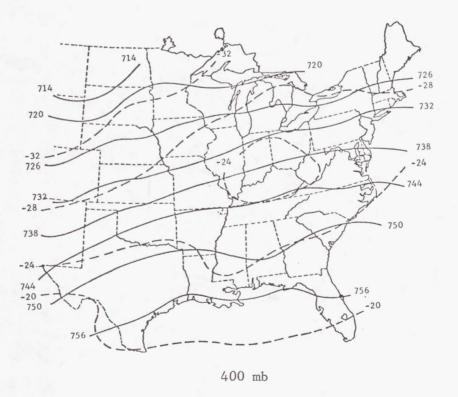
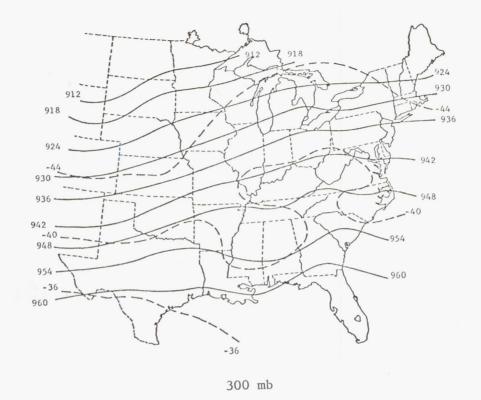


Figure 6. (Continued).



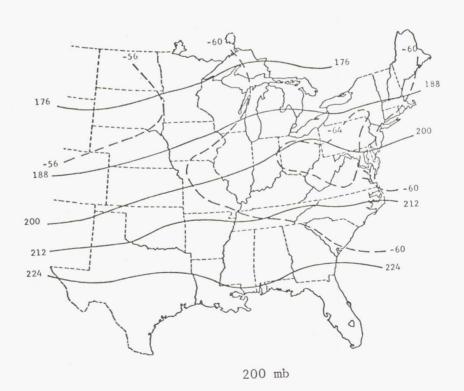
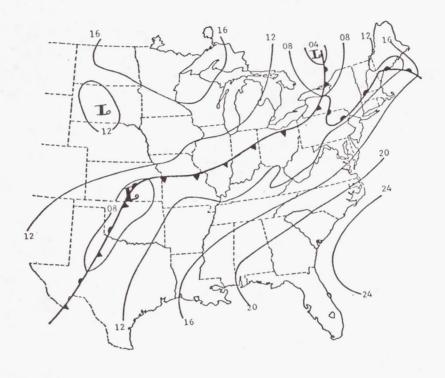
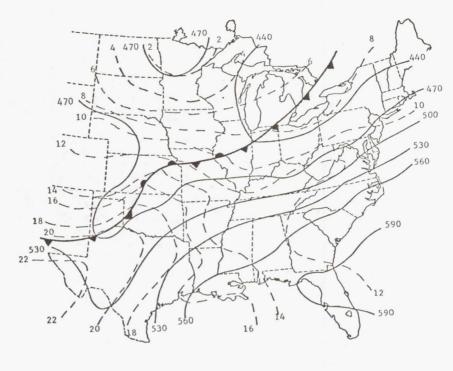


Figure 6. (Concluded).



Surface

Figure 7. Synoptic charts for 1800 GMT, 24 April 1975.



850 mb

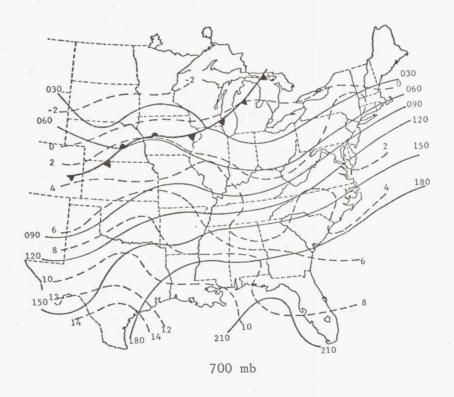
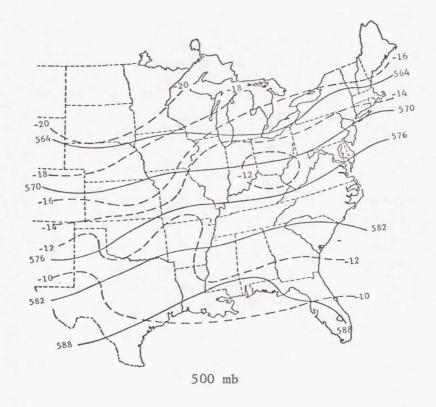


Figure 7. (Continued).



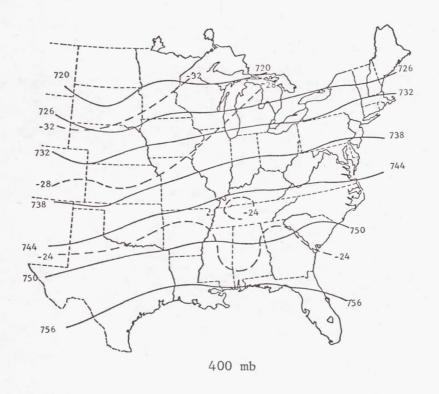
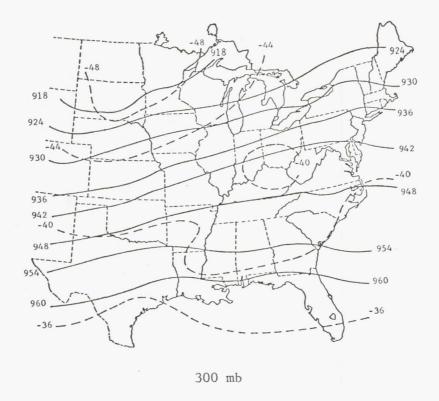


Figure 7. (Continued).



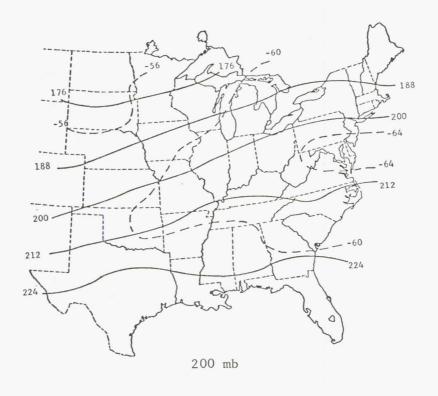


Figure 7. (Concluded).

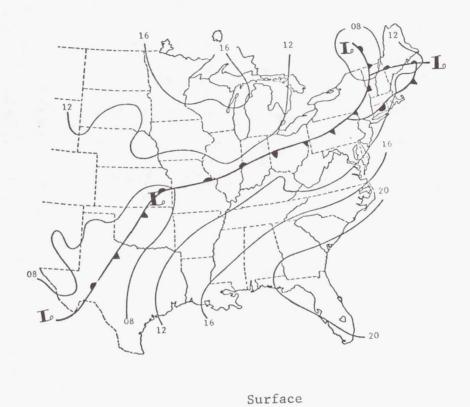
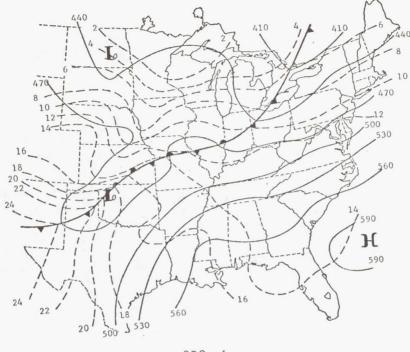


Figure 8. Synoptic charts for 2100 GMT, 24 April 1975.





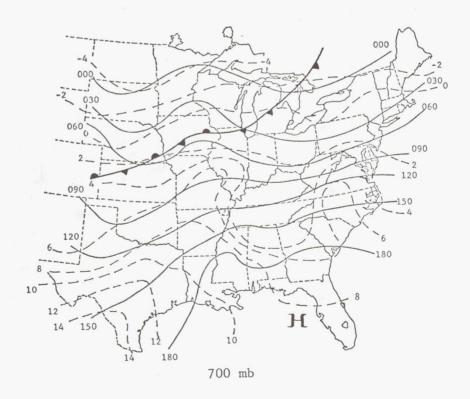
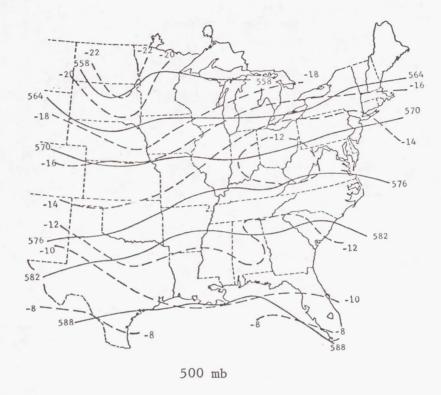


Figure 8. (Continued).



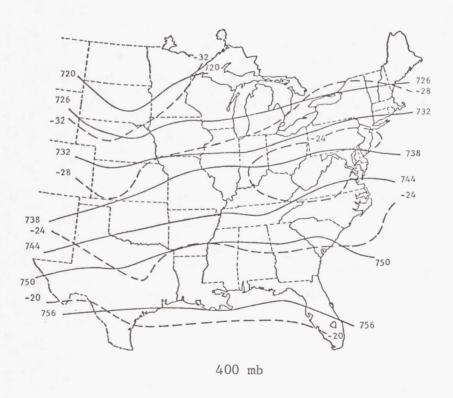


Figure 8. (Continued).

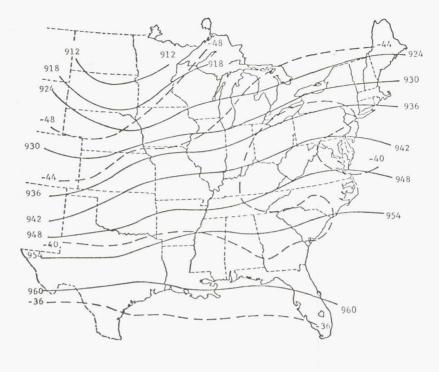
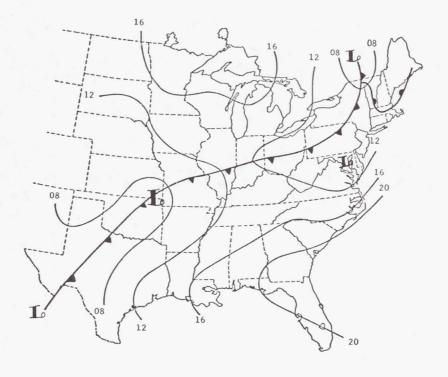




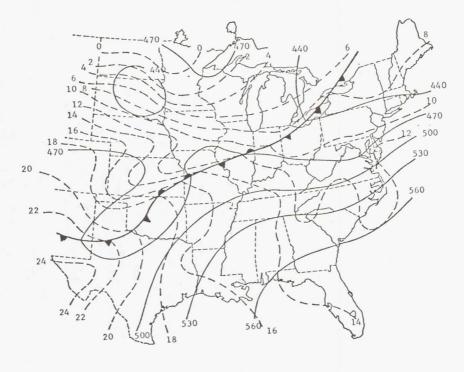


Figure 8. (Concluded).



Surface

Figure 9. Synoptic charts for 0000 GMT, 25 April 1975.



850 mb

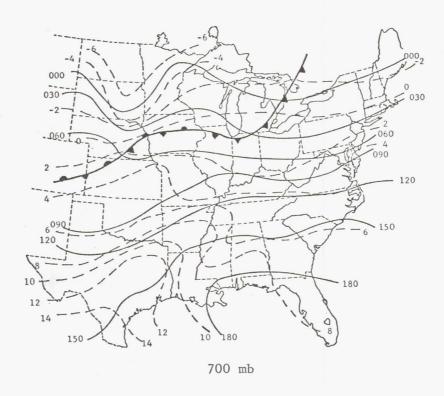
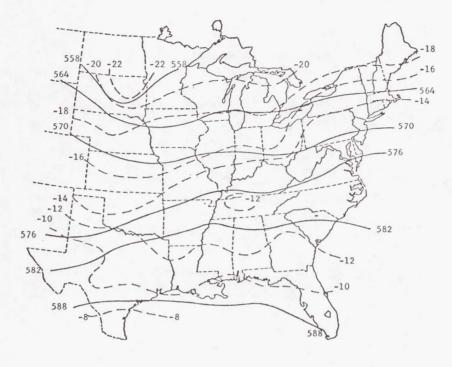


Figure 9. (Continued).



500 mb

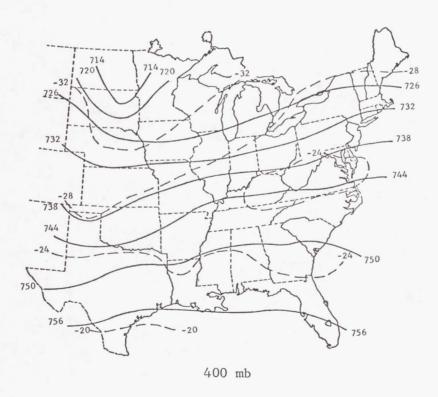


Figure 9. (Continued).

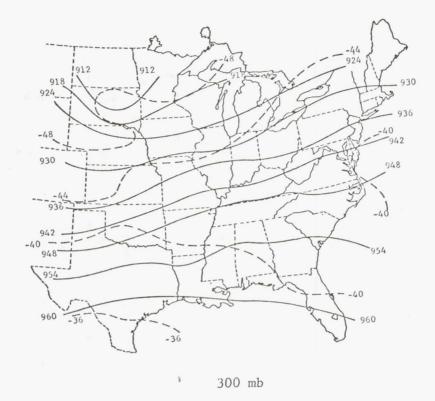




Figure 9. (Concluded).

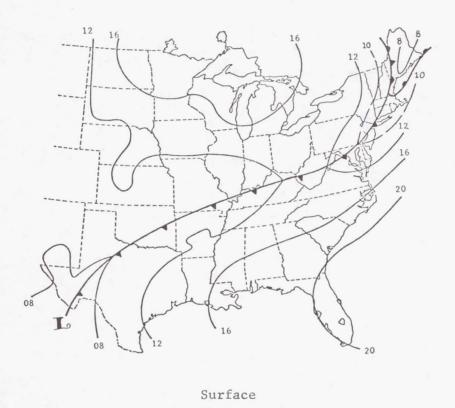
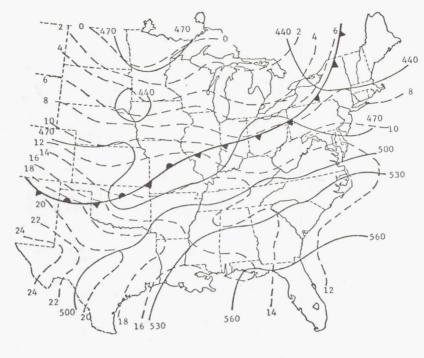


Figure 10. Synoptic charts for 0600 GMT, 25 April 1975.





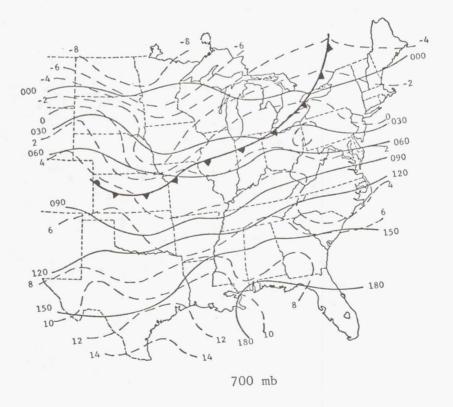
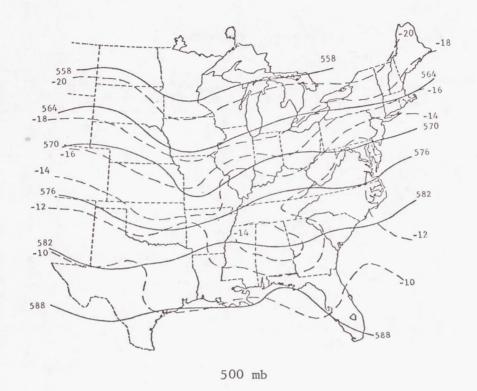


Figure 10. (Continued).



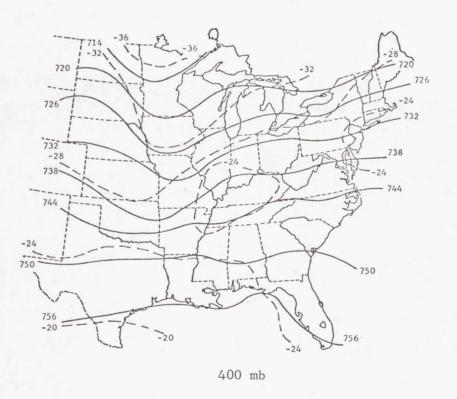
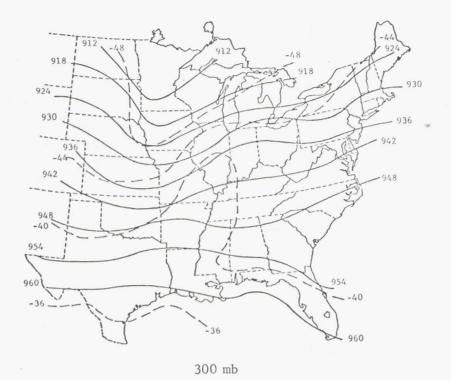


Figure 10. (Continued).



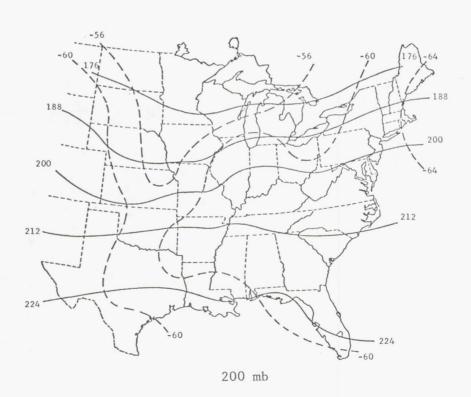
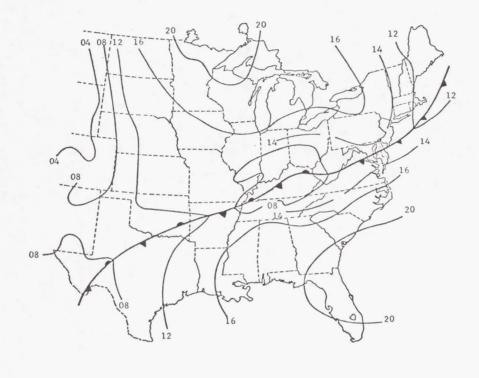
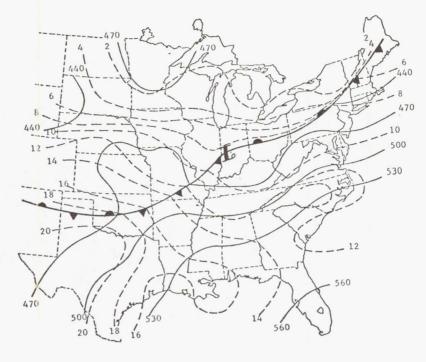


Figure 10. (Concluded).



Surface

Figure 11. Synoptic charts for 1200 GMT, 25 April 1975.



850 mb

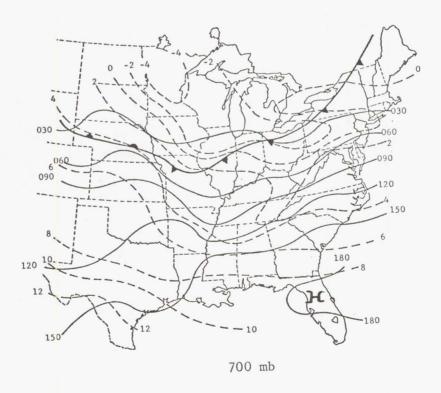
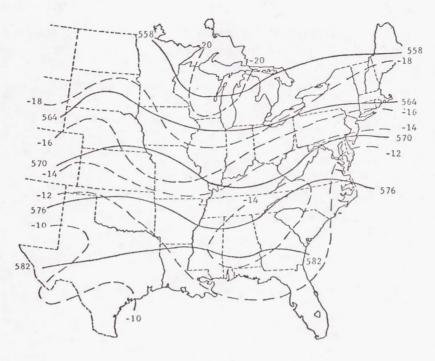


Figure 11. (Continued).





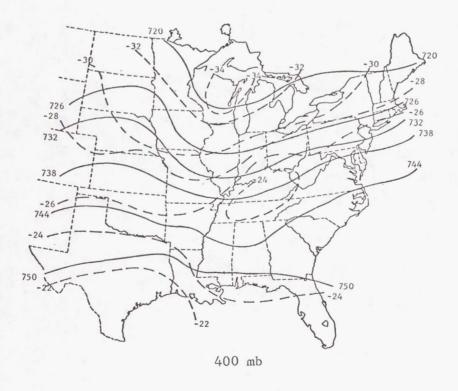


Figure 11. (Continued).

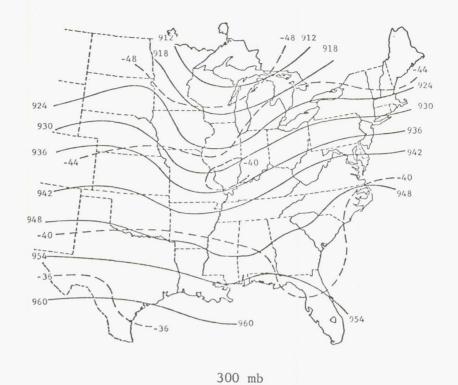




Figure 11. (Concluded).

#### REFERENCES

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- 2. Scoggins, J. R.: Data for the First NASA Atmospheric Variability Experiment (AVE I), Part II: Graphical Presentation of Data. NASA Technical Memorandum TM X-2948. Marshall Space Flight Center, Alabama, 1973.
- Scoggins, J. R.; Fuelberg, H. E.; Carlson, R. D.; Phelps, R. W.; and Bellue, D. G.:
   A Compilation of Studies from the Atmospheric Variability Experiment (AVE).
   NASA Contract Report CR-2304. National Aeronautics and Space Administration,
   Washington, D.C., 1973.
- 4. Fuelberg, H. E.: Reduction and Error Analysis of the AVE II Pilot Experiment Data. NASA Contractor Report CR-120496. Marshall Space Flight Center, Alabama, 1974.
- 5. Scoggins, J. R. and Turner, R. E.: Data for NASA's AVE II Pilot Experiment, Part I: 25 mb Sounding Data and Synoptic Charts. NASA Technical Memorandum TM X-64877. Marshall Space Flight Center, Alabama, 1974.
- 6. Fuelberg, H. E. and Turner, R. E.: Pressure Contact Data for NASA's Atmospheric Variability Experiment (AVE II). NASA Technical Note TN D-7914. National Aeronatuics and Space Administration, Washington, D.C., 1975.
- 7. Fuelberg, H. E. and Turner, R. E.: Data for NASA's AVE III Experiment: 25 mb Sounding Data and Synoptic Charts. NASA Technical Memorandum TM X-64938. Marshall Space Flight Center, Alabama, 1975.

### APPENDIX A

### SOUNDING DATA

These data are presented on microfiche as follows:

								Page
24 April 1975, 0000 GMT								52
24 April 1975, 0600 GMT								92
24 April 1975, 1200 GMT								134
24 April 1975, 1500 GMT	*							176
24 April 1975, 1800 GMT	*							217
24 April 1975, 2100 GMT								258
25 April 1975, 0000 GMT								300
25 April 1975, 0600 GMT								342
25 April 1975, 1200 GMT								382

# DATA FOR NASA'S AVE IV EXPERIMENT: 25-MB SOUNDING DATA AND SYNOPTIC CHARTS

By Nancy F. Fucik and Robert E. Turner

STATION NO. 208 CHARLESTON SC

23 APRIL 1975 2315 GNT

							23.3	5.					•		, ,	٠.
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTD	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.3	13.0	1024.0	21.1	12.8	190.0	5.2	0.9	5.1	293.5	317.4	9.1	59.0	0.0	. 0.	
0.6	- 6.0	218.3	1000.0	20.2	12.4	183.0	6.7	0.3	6.6	294.5	318.6	9.1	61.0	0.3	4.	e e
1.4	8.0	436.2	975.0	18.2	12.0	182.4	7.8	0.3	7.€	294.7	318.7	9.1	66.9	0.6	4.	
2.0	10.2	658.2	950.0	15.8	11.8	178.4	8° 2	-0.2	<b>6 • 5</b>	294.4	318.7	9.2	77.4	0.9	3.	
2.8	12.2	884.4	925.0	13.8	12.2	1.82.9	8.2	0.4	8.1	294.7	320 • 4	9.7	90.0	1.3	2.	. •
3.5	14.3	1115.3	900.0	11.8	11.4	191.1	10.1	1.9	9.9	294.9	319.9	9.5	97.0	1.7	3.	
4.3	16.3	1351-1	875.0	10.4	9.8	195.6	10.4	2.6	10.0	295.7	319.0	8. 8	96.2	2. 2	5.	
5.0	18.5	1592.1	850.0	8.3	6.8	197.6	9.8	3.0	9.3	295•8	315.5	7.3	90.6	2.6	7.	
5.8	20.7	1839.4	825.0	8.9	-7.9	198.4	9.8	3.1	9.3	298.4	307.1	3.1	35.4	3. 1	9.	
6.6	23.0	2093.0	800.0	7.3	-12.3	201.8	9.5	3.5	8.6	299•2	304.7	1.9	23.2	3. 5	10.	
7.5	25.4	2353.5	775.0	5.4	-8.8	209.2	7.8	3.8	6.8	299.9	307.3	2.5	35.2	4.0	12.	
8.3	27.6	2621.0	750.0	4.9	-15.8	226.0	6.1	4.4	. 4.3	302.1	306.9	1.6	21.9	4.3	14.	
9.2	30.2	2896.6	725.0	3.7	-19.7	248.0	5 • 8	5.4	2.2	303.6	307.1	1 1	16.1	4. 5	1.6.	
10.1	32.8	3180-2	700.0	1.5	-16.0	255.7	6.2	6.0	1.5	304.3	309.1	1.6	25.9	4.7	20.	
10.9	35.3	3472.4	675.0	0.3	-20.4	259-1	6.6	6.5	1.2	306.2	309.7	1.1	19.4	4.9	23.	
11.9	27.8	3774.3	650.0	-0.7	-28.5	276.3	6.4	6.4	-0.7	308.2	310.1	0.6	10.1	5. 1	27.	
12.9	40.5	4087.0	625.0	-1.6	-32.2	297.3	7-1	6.3	-3.2	310.6	312.0	0.4	7.5	5. 1	31.	
13.9	43.1	4410.8	600.0	-2.8	-31.8	298.5	8.9	7.8	-4.2	312.9	314.4	0.4	8.5	5. 2	37.	
15.0	46.1	4747.1	575.0	-4.4	-32.6	300.3	10.6	8.3	-6.6	314.9	316.4	0.4	8.8	5. 3	43.	
16.1	49.1	5096.0	550.0	-6.3	-26.5	310.3	11.7	8.9	<b>⇒7.5</b>	316.6	319.3	0.8	18.4	5.3	52.	
17.2	52.0	5458.4	525.0	-8.6	-22.1	309.5	11.4	8.8	-7.2	318.2	322.2	1.2	32.6	5. 6	59.	
18.4	55.0	5834.6	500.0	-11.8	-19.3	311.0	12.2	9.2	-8.0	318.8	324.2	1.7	53.4	5.9	67.	
19.6	58.1	6225.9	475.0	-14.2	-22.5	297.1	13.0	11.6	-5.9	320.6	324.9	1.3	49.0	6.4	74.	
21.0	61.5	6634.4	450.0	-16.4	-22.6	289.8	14.7	13.9	-5.0	322.7	327.3	1.4	58.8	7.3	79.	•
22.4	65.0	7061.9	425.0	-19.8	-26.2	294.4	17.0	15.5	-7.0	323.7	327.2	1.1	56.5	8.5	84.	
23.9	66.4	7509.4	400.0	-23.3	-29.3	297.0	16.8	15.0	-7.6	324.8	327.7	0.8	57.7	9. 9	89.	
25.5	71.7	7979.0	375.0	-26.3	-35.2	293.8	15.7	14.4	-6.3	326.8	328 • 6	0.5	42.7	11.2	92.	
27.1	75.5	8473.8	350.0	-30.6	-35.3	297.4	18.0	16.0	-8.3	327.4	329.3	0.5	63.2	12.8	95.	
28.8	75.5	8996.3	325.0	-34.5	-40.6	294.8	19.4	17.6	-8. 1	329.1	230.3	0.3	53.4	14.6	98.	
30.6	63.6	9551.1	300.0	-36.9	-43.2	296.6	20.2	18-1	-9.1	330.5	331.5	0.3	63.2	16.7	100.	
32.6	67.8	10141.8	275.0	-43.8	99.9	295.4	22.9	20.7	-9.8	331.6	999.9	99.9	999.9	19.1	102.	
34.9	92.6	10773.3	250.0	-50.0	99.9	299.7	25.3	22.0	-12.5	331.8	599.9	99.9	999.9	22.2	105.	
37.3	97.5	11451.9	225.0	-56.6	99.9	304.0	26.0	21.6	-14.6	331.8	999.9	99.9	999.9	25.9	107.	
39.7	102.8	12187.4	200.0	-62.6	99.9	310.7	28.7	21.7	-18.7	333.6	999.9	99.9	999.9	29.6	110.	
43.1	. 108.8	13006.2	175.0	-63.5	99.9	301.8	32.3	27.4	-17.0	345.2	999.9	99.9	999.9		113.	
47.1	115.0	13959.4	150.0	-60.5	99.9	305.1	33.9	27.7	-19.5	365.8	999.9	99.9	999.9		115.	
52.1	122.0	15055.9	125.0	-61.8	99.9	310.5	23.7	18.0	-15.4	363.1	999.9	99.9	999.9	53.5		
56.0	130.0	16443.6	100.0	-71.3	99.9	292.2	25.1	23.3	-9.5	390.1	999.9	99.9	999.9	60.9		
65.5	138.0	18148.2	75.0	-70-1	99.9	8.2	8.0	-1.1	-7.9	425.5	999.9	99.9	999.9	69. 4		
76.5	146.3	20615.9	50.0	-63.0	99.9	266.1	3.0	3.0	0.2	495 • 1	999.9	99.9	999.9	72. 7		
94.1	155.3	25013.8	25.0	-53.6	99.9	320.4	9.2	5.9	-7.1	630.9	999.9	99.9	999.9	78.5		
	10000		2300	3550			,		• • •				· · · · ·			

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPCLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 211 TAMPA. FLA

1975

APRIL

2315 GMT

166 16. ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES U COMP V COMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED DG MIN GFM MB DG C DG C CG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM 1020.4 27.0 90.0 7.7 -7.7 0.0 299.7 325.3 9.5 43.0 0.0 0. 0.0 4.5 8.0 13.4 300.3 323.5 40.4 0.6 273. 1000.0 11.5 117.1 1.9 -1.7 0.9 8.6 0.6 186.3 26.0 6.1 975.0 99.5 10.4 -10.2 1.7 300.2 323.7 8.6 45.5 0.9 275. 408.4 23.7 11.2 1.4 8.4 51.4 1.6 278. 10.6 -10.3 2.5 299.9 323.2 8.6 950.0 21.2 10.8 103.5 2.4 10.5 634.6 111.0 -10.8 4.1 299.8 323.0 8.5 57.0 2.2 280. 925.0 19.0 10.2 11.5 3.4 12.8 864.7 64.5 2.9 284. 118.8 10.1 -8.9 4.9 299.9 323.2 8.6 4.5 15.2 1099.5 900.0 16.7 10.0 1339.0 875.0 9.3 124.7 10.4 -8.5 5.9 300.0 322.9 8.4 70.9 3.5 287. 5.5 17.3 14.5 140.8 -4.8 300.0 322.6 8.3 78.9 4.0 291. 6.6 19.8 1583.4 850.0 12.2 8.6 7.6 5.9 322.7 4.4 294. 7.6 22.1 1833.4 825.0 10.2 7.9 153.6 7.4 -3.3 6.6 300.5 8.2 85.6 301.1 93.0 4.7 297. . 24.6 2089.3 800.0 8.4 7.3 171.0 6.5 -1.0 6.4 323.2 8. 1 8.5 92.5 4.8 301. 27.0 2351.6 775.0 6.9 5.7 205.9 5.0 2.2 4.5 302.2 322.8 7.5 9.5 29.6 2621.0 750.0 -0.6 24708 . 3.9 3.6 1.5 303.3 317.3 4.9 64.7 4.7 305. 10.6 5.6 306.5 310.0 13.4 4.6 306. 11.6 32.3 2898.9 725.0 6.3 -19.7 312.6 3.3 2.5 -2.3 1.1 311.4 14.6 4.3 305. 3195.5 700.0 -20.0 335.8 5.5 2.3 -5.0 307.9 1.1 12.8 35.1 4.8 312.6 316.0 12.3 3.9 301. -7.3 1.1 13.9 37.7 3482.4 675.0 6.1 -20.9 335.7 8.0 3.3 317.9 17.6 3. 5 296. 14.9 3790.3 650.0 3.9 -18-5 340.3 7.7 2.6 -7.3 313.5 1.4 40.4 3.2 289. 318.9 22.4 16.2 43.3 4107.2 625.0 1.3 -17.8 343.8 5.8 1.6 -5.6 314.1 1.5 600.0 312.3 -4.1 315.8 319.5 1.1 18.4 2.9 283. 17.4 46.3 4434.4 -0.4 -21.5 6.0 4.5 2.3 280. 322.5 28.5 18.8 49.4 4773.4 575.0 -2.4 -18.3 295.8 6.9 6.2 -3.0 317.4 1.6 320.2 322.3 11.3 1.8 275. 20. 1 52.3 5125.7 550.0 -3.3 -29.3 289.9 7.4 6.9 -2.5 0.6 322.0 324.4 14.2 1.2 269. 21.4 55.4 5492.2 525.0 -5.4 -28.4 286.0 9.2 8.8 -2.5 0.7 22.7 58.7 5873.2 500.0 -8.1 -31.2 284.8 8.8 8.5 -2.2 323.2 325.2 0.6 13.6 0.5 246. 325.1 327.7 0.7 20.6 0.5 153. 24.2 62.1 6269.9 475.0 -10.4 -28.7 291.5 7.4 6.9 -2.7 325+6 328 . 1 0.7 25.5 1.0 130. 25.5 6683.5 450.0 -14.1 -29.5 289.0 7.2 6.8 -2.4 65.6 30.7 1.6 123 325.8 328.1 27.1 69.3 7114.0 425.0 -18-1 -31.1 306.7 6.9 5.6 -4.2 0.7 327.6 329.8 0.6 36.0 2.3 127. 72.9 7564.3 400.0 -21-1 -32.2 314.6 9.4 6.7 -6.6 28.7 3.7 130. 330.6 15.6 -10-1 329.8 0.2 30.6 76.9 8038.1 375.0 -24.0 -42.8 314.5 14.4 10.3 331.1 38.9 5.6 130. -10.8 332.6 0.4 32.6 80.9 8537.9 350.0 -27.9 -37.6 309.5 17.0 13.1 132.1 333.3 0.3 39.6 7.6 131. -13.1 34.5 25.1 9065.5 325.0 -32.3 -41.4 319.0 17.4 11.4 334.0 9.6 134. 34.0 -13.7 333.3 0.2 36.5 89.5 9625.2 300.0 -36.9 -46.9 328.7 16.0 8.3 999.9 334.5 99.9 999.9 11.8 137. 38.8 94.4 10220.5 275.0 -42-0 99.9 324.3 20.3 11.8 -16.4 999.9 999.9 14.9 137. 41.0 99.3 10657.8 250.0 -47.8 99.9 317.6 21.9 14.7 -16.2 335.1 99.9 99.9 -22.5 336.3 959.9 999.9 18.6 138. 43.6 104.5 11544.0 225.0 -53.6 99.9 323.4 28.0 16.7 -59.6 330.5 31.4 15.5 -27.4 338.5 999.9 99.9 999.9 24.5 141. 46.8 110.4 12291.3 200.0 99.9 22.3 12.1 -18.8 348.3 999.9 99.9 999.9 30.8 143. 327.2 50.5 116.5 13122.2 175.0 -61.6 99.9 999.9 99.9 999.9 35.9 142. 99.9 305.9 22.3 18.1 -13.1 364.8 54.1 123.5 14073.8 150.0 -61.2 -8.1 379.C 999.9 99.9 999.9 41.1 139. 125.0 99.9 296.3 18.2 16.4 58.4 131.0 15198.0 -64.1 -8.2 389.7 999.9 99.9 999.9 45.3 137. 139.0 100.0 -71.5 99.9 314.8 11.7 8.3 63.2 16541-1 99.9 999.9 99.9 999.9 48.4 138. 75.0 -71.7 5.8 4.2 -0.4 -4.1 422.6 68.9 147.0 18222.9 496.0 999.9 99.9 999.9 50.3 139. 99.9 359.6 6.1 0.0 -6.1 77.2 156.0 -20673+8 50.0 -62.6

-52.5

99.9

59.1

25.0

91.4

165.7

25084.5

-6.9

8.1

9

6.34.2

-4.2

999.9

99909

50.3 143.

99.9

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

2315 GMT
ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

23 APRIL 1975 2315 GMT 164 15. 1

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	É POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	3. 3	44.0	1017.6	24.0	12.6	140.0	5.2	-3.3	4.0	296.9	321.1	9.1	49.0	0.0	0.
0.5	4.8	196.6	1000.0	23.0	12.8	999.9	99.9	99.9	99.9	297.4	322.4	9.4	52.6	999.9	999.
1.2	6.8	416.7	975.0	20.9	11.7	999.9	99.9	99.9	99.9	297.4	321.3	8.9	55.4	999. 9	999.
1.9	8.9	640.6	950.0	18.4	10.5	999.9	.99•9	99.9	99.9	297.0	319.7	8.5	60.0	999.9	999.
2.6	10.9	868.7	925.0	16.4	10.2	999.9	99.9	99.9	99.9	297.2	319.9	8.5	66.7	999.9	999.
3.4	13-1	1101.4	900.0	14.4	9.9	999.9	99.9	99.9	99.9	297.5	320.5	8.5	74.1	999.9	999.
4.2	15.3	1339.2	875.0	12.3	9.8	999.9	99.9	99.9	99.5	297.7	321.2	8.8	85.0	999.9	999.
5.0	17.5	1581.9	850.0	10.2	9.4	999.9	99.9	99.9	99.5	298.0	321.5	8.6	94.7	999.9	999.
5.7	19.8	1830.5	825.0	10.3	-5.5	999.9	99.9	99.9	99•9	300.4	309.6	3. 2	32.2	999. 9	999.
6.7	22.0	2066.2	800.0	9+1	-3.7	195.5	7.2	1.9	7.0	301.3	311.8	3.7	40.4	2.6	331.
7.7	24.5	2348.6	775.0	6.9	2.2	203.2	8.5	3.3	7.8	301.9	318.2	5 <sub>0</sub> 8	72.0	3.0	337.
8.6	26.8	2617.7	750.0	5.5	0.9	214.7	9.3	5.3	7.6	303.2	318.6	5 <sub>0</sub> 5	72.2		345.
9.6	29.3	2894.5	725.0	3.9	-1.4	222.5	9.1	6.2	6.7	304.3	318.0	4.A	68.2		351.
10.5	31.9	3178-9	700.0	2.2	-15.6	245.8	7.5	6.8	3.1	305.2	310.3	1.7	26.2		357.
11.5	34.7	3472.5	675.0	1.3	-30.0	292.2	7.9	7.3	-3.0	307.2	309.5	0.7	12.4	3. 9	
12.4	37.1	3776.0	650.0	1.9.	-48.8	312.6	9.2	6.8	-6.2	311.1	311.3	0.1	1.0	3. 7	
1 3. 7	40.0	4091.7	625.0	1.2	-49.2	318.9	9.9	6.5	<b>-7.</b> 5	313.8	314.1	0.1	1.0	3.3	
14.9	42.6	4418.7	600.9	-1.1	-24.8	322.8	10.1	6.1	-8.1	315.0	317.8	0.9	14.5	3∙ 0	
15.9	45.6	4756+6	575 • 0	-3.3	-24.5	325.0	10.3	5.9	-8.4	316.2	319.4	1.0	16.4	2.8	45.
17.2	48.8	5106.7	550.0	-5.4	-27.1	326.0	10.7	6.0	-8.9	317.7	320.3	0.8	16.7	2. 8	
18.4	51.0	5470.3	525.0	<b>∸7∙</b> 6	-24.8	327.7	9.8	5.2	-8.3	319.3	322.6	1.0	23.7	2.9	
19.5	54.9	5848.3	500.0	-9.8	-44.9	313.3	9.0	6.5	-6.2	321.1	321.6	0.1	3.6	3.2	
20.9	58.0	6242.5	475.0	-11-7	-51.6	296.2	10.7	9.6	-4.7	323.4	323.7	0.1	2.0	3.9	
22.4	61.6	6653.9	450.0	-15.4	-58.2	287.2	14.3	13.7	-4.2	323.9	324 • 0	0.0	1.2	5. 0	
23.8	£5. 1	7082.5	425.0	-18.7	-49.2	283.8	16.8	16.3	-4.0	325.0	325.4	0.1	<b>€</b> 17 €	6.2	
25.3	68.7	7531.3	400.0	-22.1	-27.3	293.5	15.9	14.6	-6.3	326.3	329.7	1.0	1 , 38		100.
26.9	72.3	8003.1	375.0	-25.6	-26.7	302.3	15.0	12.7	-8.0	327.8	331.7	1.1	90.2	9.1	
28.6	76.5	2500.7	350.0	-28.7	-38.4	306.6	16.6	13.3	-9.9	330.1	331 • 5	0.4	38•2		107.
30.5	EC. 7	9026.6	325.0	-33.2	-38.4	298.9	22.2	19.4	-10.7	330.9	332 • 4	0.4	59.5		109.
32.2	85· 0	9583.7	300.0	-37.5	-41.8	295, 5	23.7	21.4	~10.2	332 <b>.</b> 5	333.6	0.3	64.0		111.
34.2	89.6	10177.6	275.0	-42.8	99.9	294.2	25 • 2	23.0	-10.4	333.3	999.9	99.9	999.9		112.
36.3	94.8	10812.4	250.0	-48.7	99.9	299.8	30.4	26.4	-15.1	333.7	999.9	99.9	999.9		. 112.
38.7	100.0	11497.0	225.0	-53.7	99.9	298.7	35.2	30.9	-16.9	336.2	999.9	99.9	999.9		114.
41.4	105.5	12243.6	200.0	-59.7	99•9	302.5	39.1	33.0	-21.0	338.2	999.9	99.9	999.9		115.
44.2	112.0	13066.6	175.0	-65.1	99.9	307.8	39.7	31.4	-24.3	342.5	999.9	99.9	999•9		117.
47.3	118.8	14018.4	150.0	-61.3	99.9	298.7	28.5	25.0	-13.7	364.5	999.9	99.9	999•9		118.
51 • 6	126.7	15148.2	125.0	-63.7	99.9	295.3	24.9	22.6	-10-6	379.6	999.9	99.9	999.9		117.
56.1	135.0	16500.6	100.0	-70-1	99.9	296.7	14.3	12.6	~6.4	392.4	999.9	99.9	999.9		116.
62-1	143.5	18193.6	75.0	-69.4	99.9	313.4	9.2	6.7	-6.3	427.5	999.9	99•9	999.9	-	118.
70.2	152.7	20669.7	50.0	-61.6	99.9	320.1	3.4	2.2	-2.6	498.5	999.9	99.9	999.9		119.
83.2	162.3	25088.0	25.0	-51.5	99.9	39.6	3.8	-2.4	-2.9	636.9	999.9	99.9	999.9	65.0	121.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG.

STATION NO. 220 APALACHICOLA. FLA

23 APRIL 1975 2315 GMT

157 13. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T HX RTO RH RANGE AZ MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCF KM DG 0.0 3.8 11.0 1022.2 23.4 14.1 140.0 2.1 -1.3 1.6 296.0 322.4 10.0 56.0 0.0 0. 0.7 5.6 202.5 1000.0 22.0 9.7 999.9 99.9 99.9 99.9 296.2 316.6 7.6 45.7 999.9 999. 1.5 7.8 421.7 975.0 20.5 8.8 999.9 99.9 99.9 99.9 296.8 310.5 7.3 46.8 999.9 999. 2.3 10.2 645.5 950.0 18.5 10.3 155.9 5.7 -2.3 5.2 297.1 319.4 58.8 0.8 320. 8.3 2.9 12.3 873.6 925.0 16.4 11.1 169.8 -1.1 297.3 321.5 71.0 1.0 325. 6.1 6.0 9.1 3.7 14.7 1106.4 900.0 14.3 11.0 176.2 6-1 -0.4 6.1 297.5 322.1 9.2 80.6 1.3 331. 4.6 16.9 1344.2 875.0 12.4 10.4 185.2 7.1 0.6 7.0 297.9 322.4 9.1 87.6 1.6 337. 5.3 19.3 1587.4 850.0 12.6 -15.8 185.7 7.3 0.7 7.2 299.5 303.5 1.3 12.2 1.9 342. 21.6 1837.9 825.0 13.1 -17.3 185.4 6.6 0.6 6.6 302.6 306.2 1.2 10.4 2.2 345. 6.0 6.9 24.2 2095.3 800.0 11.3 -18.5 189.5 5.8 1.0 €.8 303.3 306.8 1.1 10.6 2.5 348. 7.8 26.5 2359.6 775.0 10.5 -18.3 204.3 4.3 1.8 3.9 305.2 308.9 1.2 11.4 2.7 351. 311.9 2631.4 2.1 306.3 19.5 2.9 353. 9.7 29.1 750.C 8.7 -13.4 224.8 1.5 1.5 1.8 -1.4 307.1 321.0 9.6 31.8 2910.7 725.0 6.4 277.0 2.3 2.3 -0.3 4.8 58.3 2.9 354. 34.4 320.3 2.8 358. 3197.9 700.0 -3.8 293.6 -1.5 308.1 54.4 10.5 4.6 3.8 3.4 4.1 37.0 319.4 3493.4 675.0 2.7 -6.6 323.9 4.4 2.6 -3.5 309.1 3.5 50.4 2.7 3. 11.5 -22.5 3799.1 650.0 324.2 3.6 -5.0 312.9 316.0 12.9 2.4 39.9 3.4 1.0 t. 12.5 6.1 4116.0 318.3 20.5 2.2 13.5 42.5 625.0 1.2 -18.9 316.0 4.7 -4.9 314.0 1.4 14. 6.8 -1.4 -16.8 325.6 3.9 -5.7 314.7 320.1 1.7 29.7 2.0 25. 14.6 45.4 4442.7 600.0 6.9 1.7 320.6 20.7 36. 15.7 48.4 4780.9 575.0 -2.7 -22.6 343.8 8.2 2.3 -7.9 316.9 1.1 16.5 51.1 5131.8 550.0 -4.B -22.0 342.7 9.6 2.9 -9.2 318.5 322.4 1.2 24.5 1.3 60. 18.1 54.3 5496.6 525.0 -6.3 -34.3 332.7 7.6 3.5 -6.7 320.8 322.2 0.4 8.7 1.5 87. 19.5 57.3 5876.2 500.0 -8.7 -39.5 313.6 9.3 6.7 -6.4 322.5 323.3 0.2 6.2 1.8 104. 6271.7 475.0 -11.5 -34.2 323.8 325.3 0.4 13.1 2.7 111. 20.8 60.6 301.6 12.1 10.3 -6.3 324.4 325.5 0.3 11e7 3.7 112. 22.2 64.0 6683.1 450.0 -15.0 -38.1 294.5 11.8 10.8 -4.9 23.9 9.6 -5.6 327.5 17.7 4.8 114. 67.1 7113.5 425.0 -17.9 -36.5 300.0 11.1 326.1 0.4 70.7 400.0 -21.4 327.2 329.6 0.7 39.0 5.8 115. 25.4 7564.1 -31.6 300.0 10.3 8.9 -5.1 -24.5 -33.8 300.9 0.6 27.0 74.3 8037.0 375.0 13.9 12.0 -7.2 329.1 331.2 42.0 6.9 115. 78.2 8535.7 -28.1 -11.9 330.8 332.5 0.5 45.3 8.6 118. 28. 5 350.0 -36.3 309.7 18.6 14.3 325.0 333 . 4 30.1 30.7 82°0 9063.8 -32.0 -43.7 309.0 23.4 18.2 -14.7 332.5 0.2 11.1 120. -36.9 32.7 86.0 9622.8 300.0 310.3 -15.7 333.3 334.1 0.2 36.9 13.9 122. -46.2 24.3 18.6 999.9 34.9 90.5 10219.0 275.0 -41.7 99.9 314.7 23.4 16.7 -16.5 334.9 99.9 999.9 17.1 124. 37.4 95.2 10857.8 250,2 -47.1 99.9 317.5 25.3 17.1 -18.6 336.I 999.9 99.9 999.9 20.6 126. 40.0 100.0 11546.3 225.0 -53.0 99.9 320.1 27.6 17.7 -21.2 337.3 999.9 99.9 999.9 24.6 126. 42.9 105.0 12295.1 200.0 -59.0 329.5 -14-6 339.3 999.9 99.9 999.9 28.3 130. 99.9 16.9 8.6 -64.3 999.9 999.9 46.2 110.6 12121.0 175.0 99.9 319.4 25.1 16.3 -19.0 343.9 99.9 33.4 132. 50.0 116.5 14074.9 150.0 -60.7 99.9 310.6 21.6 16.4 -14.0 365.5 999.9 99.9 999.9 38.9 132. 54.5 123.3 15198.9 -65.4 298.0 16.1 14.2 -7.6 376.6 999.9 99.9 999.9 43.8 132. 125.0 99.9 59.8 130.5 16544.4 -71.0 99.9 307.2 17-7 14.1 -10-7 390.5 999.9 99.9 999.9 49. 9 130. 100.0 66.4 138.3 18234.7 -71.6 99.9 0.3 3.4 -0.0 -3.4 422.4 999.9 99.9 999.9 53.2 131. 75.0 25.8 -3.7 497.2 999.9 99.9 999.9 55.9 132. 75.8 146.3 20695.3 50.0 -62.1 99.9 4.1 -1.8

-51.8

99.9

49.3

25.0

90.4

154.7

25126.7

-4.6

-3.9

636.3

999.9

99.9

999.9

57.1 134.

6.0

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE. ALA

APRIL 1975 2315 G#T

158 16. 1 ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES TIME CNTCT HEIGHT PRES TEMP CEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO ŔH RANGE AZ MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT DG MIN GFM KM 0.0 5.8 140.0 1003.4 23.8 18.2 170-0 5.2 -0.9 5. 1 298.5 333.4 13.3 71.0 0.0 0. 0.1 6.0 169.6 1000.0 22.2 12.9 247.0 1.3 1.2 0.5 296.6 321.6 9.4 55.5 0.7 353. 389.7 975.0 21.3 12.1 191.9 0.7 257.8 322.4 0. 5 8.3 3.6 3. 5 9.2 55.8 0.7 355. 1.5 10.5 614.3 950.0 19.4 11.4 176.1 11.3 -0.4 11.3 298.1 322.2 9.0 59.6 1.0 357. 177.2 2.3 12.9 843-1 925.0 17.2 10.4 13.1 -0.6 13.1 298.0 341.1 8.6 64.2 1.7 357. 8.2 3.1 15.3 1076.6 900.0 15.2 9.2 183.0 14.6 0.8 14.6 298.2 320.3 67e5 2.4 357. 17.5 1315.0 875.0 188.0 14.7 2.0 14.5 298.9 320.0 7.8 69.1 3.1 36C. 3.9 13.6 8.1 20.0 1558.9 850.0 12.6 5.6 193.5 13.2 3.1 12.9 300.2 318.8 6.7 62.2 3.7 1. 4.7 303.5 22.3 1810.6 825.0 13.3 3.6 214.7 12.9 7.4 10.6 320.4 6.0 51.5 4.4 5. 24.9 2069.4 800.0 12.8 1.9 236.3 11.8 9.8 6.6 305.5 321.2 5.5 47.5 4- 9 1 G. 6.5 305.9 7.3 27.3 2335.1 775.0 10.6 0.5 246.1 13.2 12.0 5.3 320.6 5.1 49.7 5.3 15. 750.0 8.2 29.9 2607.2 8.3 -0.6 249.9 13.5 12.7 4.6 306.3 320.4 4.9 53.4 5.7 21. 319.5 9.1 32.7 2886.4 725.0 5.8 -2.2 253.3 12.5 12.0 3.6 306.4 4.5 56.2 6.2 26. 10.0 35.4 3172.5 700.0 3.0 -2.8 259.4 12.5 12.3 2.3 306.4 319.2 4.5 65.8 6.7 31. 320.4 10.9 38. 0 3466.1 675.0 -2.9 269.0 13.5 0.2 307.1 76.4 35. 0.8 13.5 4.6 7.1 3768.5 41. 12.0 40.7 650.0 -1.2 -6.3 279.4 16.2 15.9 -2.6 308.1 318.9 3.7 68.0 7.6 310.7 321.9 71.7 43.7 4080.8 625.0 282.7 -4.1 8.2 48. 13.1 -2.0 -6.4 18.8 18.3 3.8 600.0 312.3 324.8 14.0 46.6 4405.0 -3.8 -5.6 287.0 19.1 18.2 -5.6 4.2 87.1 R. 9 54. 327.6 45.6 4740.8 575.0 297.1 -7.7 314.8 91.4 9.7 60s 25.1 -4.8 -6.0 16.9 15.0 4.2 316.6 10.2 5089.9 550.0 -6.7 -10-4 304.2 12.8 -8.7 326.3 3.2 74.9 66-16.4 52.6 15.4 303.2 317.9 326.5 2.7 74.4 10.8 71. 5452.1 525.0 -9.0 -12.7 12.4 -8.1 17.5 55.6 14.9 -7.8 58.9 5828.0 500.0 -11.8 -14-1 302.7 12.2 319.0 327.0 2.6 82.7 11.5 75. 18.7 14.5 -14.1 301.5 -7.5 320.8 328.0 83.8 12.2 78. 19.9 62.3 6219.7 475.0 -16.2 14.3 12.2 2.3 299.3 75.5 21.2 65.6 6628.5 450.0 -16.5 -19.8 15.1 13.2 -7.4 322.6 328.3 1.8 13.1 82. 22.6 69-1 7055-5 425.0 -19.9 -23.0 292.4 16.4 15.2 -6.2 323.6 328.3 1.4 76.1 14.2 85. 24.1 72.7 7502.7 400.0 -23.1 -26.2 287.6 19.1 18.3 -5.8 325.0 328.8 76.0 15.6 1.1 87. 25.6 76.5 -29.8 7972.9 375.0 -26.2 279.4 18.7 18.5 -3.0 326.9 329.8 0.9 71.9 17.3 89. 27.2 20.4 350.0 -30.3 -33.7 327.9 330.1 71.9 8467.8 274.7 17.8 17.8 -1.5 0.6 19.0 90. 29.0 **64.5** 9990.6 325.0 -34.3 -38.1 271.1 20.7 20.7 -0.4 329.3 330.9 0.4 68.5 21.1 90. 331.4 30.8 88.6 9545.1 300.0 -38.9 -44.3 276.7 24.4 24.3 -2.8 330.5 0.2 55.9 23.5 90. 32.7 93.2 10135.0 275.0 -44.4 99.9 286.0 29.2 28.0 -E.1 331.0 999.9 99.9 999.9 26.5 92. 999.9 333.5 999.9 99.9 35.1 98.0 10766.6 250.0 -48.8 99.9 284.5 34.6 33.5 -8.7 31.1 94. 999.9 36.4 37.6 102.8 11450.4 225.0 -53.9 99.9 282.3 39.0 38.1 -8.3 335.9 999.9 99.9 95. 40.2 108.4 12196.3 200.0 -60.3 99.9 283.0 42.2 41.2 -9.5 337.3 999.9 99.9 999+9 42.6 96 43.2 114.3 13017.2 175.0 -63.2 99.9 286.0 39.1 37.6 -10.8 345.6 999.9 99.9 999.9 50.3 96. 999.9 46.7 120.3 13974.6 150.0 -59.1 99.9 284.6 34.1 33.0 -8.6 368.3 99.9 999.9 57.8 98. 51.0 127.3 15104.0 125.0 -65.0 99.9 279.0 23.9 23.6 -3.7 377.2 999.9 99.9 999.9 65.2 99. 56.0 125.0 16449.8 100.0 -68.7 99.9 277.8 14.8 14.6 -2.0 395.0 999.9 99.9 999.9 72.7 90. 428.0 999.9 999.9 77.4 99. 62.3 142.3 18153.9 75.0 -69.1 99.9 277.0 10.9 10.8 -1.3 99.9 71.4 150.5 20627.6 50.0 -61.1 99.9 64.7 3.8 -3.4 -1.6 499.6 999.9 99.9 999.9 79.9 100.

-53.2

25.0

85.4

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25058.3

9.4

320.2

99.9

6.0

-7.2

631.6

999.9

999.9

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83.3 101.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232 BOOTHVILLE. LA

#### 23 APRIL 1975 2315 GMT

											•			10		
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	· KM	DG	
0.0	4.8	1.0	1019.9	23.7	21.6	130.0	3.1	-2.4	2.0	297.4	339.4	16.2	88.0	0.0	. 0.	
0.8	6, 5	173.6	1000.0	22.0	21.2	136.1	5.5	-3.8	4.0	297.3	339.1	16.1	94.8	0.3	306.	
1.8	9.0	393.9	975.0	20.7	20.0	152.6	7.4	-3.4	6.6	298.0	338.0	15.3	95.7	0.6	317.	
2.7	11.3	619.0	950.0	19.3	18.5	167.7	9.0	-2.0	e. 7	298.7	336.3	14,3	95.0	1.1	327.	
3.6	13.8	848.9	925.0	18.2	17-1	173.3	10.2	-1.2	10.2	299.7	335 • 3	13.4	93.5	1.6	334.	
4.5	16.1	1083.7	900.0	16.6	15e0	181.4	10-1	0.3	10.1	300.2	332.3	12.0	90.3	2. 1	340e	
5.6	18.7	1323.7	875.0	15.0	11.8	183.6	8.6	0.5	e.6	300.7	327.8	10.1	81.6	2.7	345.	
6.5	21.1	1569.3	85C.O	13.8	12.0	195.4	7.0	1.9	6 · B	302.0	330.2	10.4	88.5	3. 1	348.	
7.5	23. 3	1821.1	825.0	12.9	9.2	208.6	7.7	3.7	6,7	303.4	327.9	8.9	78.5	3.4	352.	
8.3	26.4	2080.1	800.0	11.8	7.2	197.7	7.3	2.2	ۥ9	304.7	327.0	8.0	73.6	3. 7	355.	
9.1	29.2	2345.8	775.0	11.0	4.0	194.6	8,6	2.2	ۥ3	306.5	325.2	6.6	61.8	4.1		
9.9	32.0	2618.7	750.0	9.3	1.4	198.3	9.0	2.8	8.6	307.4	323.7	5.7	57.8	4.5	359.	
10.9	35.0	2895.0	725.0	7.5	-4.1	199.4	9.2	3.1	8.7	308.2	319.6	3. 9	43.3	5.0	1 •	
12.0	37.7	3187.5	700.0	6.3	-16.6	207.5	8.1	3.8	7.2	309.6	314.3	1.5	17.5	5.5	3∙ ∶	
13.1	40.6	3485.1	675.0	5.9	-33.8	242.7	5.6,	5.0	2. 6	312.2	313.5	0.4	4.2	5.9	6.	
14.2	43.6	3793.1	650.0	4.8	-39.6	283.2	5.3	5.1	-1.2	314.4	315.0	0.2	2.3	6.0	9.	
15.6	46.7	4111.4	625.0	2.6	-21.8	284.8	5 • 5	5.3	-1.4	315.5	319.0	1.1	14.6	5.9	13.	•
16.8	49.9	4439.9	600.0	0.2	-18.0	292.0	6.6	6.1	-2.5	316.5	321 • 4	1.5	24.1	5.9		
18.1	52.9	4779.9	575.0	-2-1	-13.4	293.5	8.6	7.9	-3.4	317.9	325.3	2.4	41.4	5. 9	23.	
19.3	56.0	5131.8	550.0	-4.5	-13.1	288.7	. 9.4	8.9	-3.0	319.1	327.0	2.5	50.7	6.0	30 e	
20.7	59.5	5497.3	525.0	-6.1	-18.7	284.7	8.9	8.6	-2.3	321.2	326.6	1.7	36.2	6.2	37.	
22.2	63.)	5877•4	500.0	-8.5	-22.0	287.4	8.9	8.5	-2.7	322.8	327.2	1.3	32.7	6.5	4.3.	
23.7	66.4	6272.9	475.0	-11.7	-22.8	292.5	9.5	8.8	-3.6	323.6	327.9	1.3	39.4	6.9	49.	
25.2	70.3	6684.4	450.0	-15.2	-23.1	300.3	10.6	9.1	-5.3	324.2	328 • 6	1.3	50.7	7.3	56.	
26.6	73.9	7113.8	425.0	-18.6	-25.9	289.0	9.1	8.6	-3.0	325.2	328+9	1.1	52.2	7. 7	ó2•	
28.3	78.0	7563.7	400.0	-20.2	-55.8	278•2	11.0	10.8	-1.6	328.6	328.8	0.0	2.5	8.4	66.	
30 • 0	62.0	8039.2	375.0	-23.4	-64.9	279.9	14.9	14.6	-2.6	330.5	330 • 6	0.0	1.0	5. 6	70.	
31.7	86. 3	8539.9	350.0	-27.3	-67.4	275.2	19.2	19-1	-1.7	331.9	332.0	0.0	1.0	11.1	74.	
33.5	90.5	9069.2	325.0	-31.7	-58.4	274.2	22.5	22.4	-1.6	332.9	333.1	0.0	5. 1	13.4	78.	
35.4	95.3	9630.1	300.0	-36.4	-59.8	276•4	22.6	22.4	-2.5	333.9	334.1	0.0	6.8	15.8	80.	
37.5	100.2	10226.9	275.0	-41.7	99.9	281.3	23.7	23.3	-4.7	334.€	999.9	99.9	999.9	18.6	83.	
39.8	105.3	10865.8	250.0	-46.9	99.9	285.6	25.9	25.0	-7.0	336.4	999•9	99.9	999•9	22.0	86*	
42.3	110.5	11555.2	225.0	-52.3	99.9	286.3	30.4	29.2	-8.5	338.3	999.9	99.9	999.9	25.9		
44.8	116.6	12306.7	200.0	-50.3	99.9	282.8	29.8	29.0	-6.6	340.5	999•9	99.9	999.9	30.5	92.	
47.7	123. 3	13134.8	175.0	-64.5	99.9	290.8	29.4	27.5	-10.4	343.5	999.9	99. 9	999.9	35.6	94.	
50.9	130.3	14082.7	150.0	-60.7	99.9	282.8	24.1	23.5	-5.3	365.5	999.9	99.9	999.9	40.8	95.	
54.8	137.5	15207.0	125.0	-65.4	99.9	271.1	17.7	17.7	-0.3	376.6	999.9	99.9	999.9	45.7	96.	
59+6	145.0	16546.0	100.0	-70.9	99.9	264.0	15.5	15.4	1.6	390.8	999•9	99.9	999.9	50. 5		
65.3	1 53, 0	18244.4	75.0	-69.5	99.9	307-5	8.5	6.8	-5.2	427.1	999.9	99.9	999.9	54.7	96.	
73.7	161.7	20704.8	50.0	-60.8	99.9	342.8	4.7	1.4	-4.5	500.3	999.9	99.9	999.9	55 <b>.</b> 3	-	
90.9	. 60.0	99.0	25.0	96.9	99-9	00.0	90.0	99.9	99.9	60.0	900-0	99-9	000.0	000.0	COG.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NG. 235 JACKSON. MISS

23 APRIL 1975 2315 GMT

166	21.	. 0

		and the second					2910 0	•					- '		, •
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.2	100.0	1006.8	24.4	17.1	170.0	. 4+6	-0.8	4.5	298.7	331 • 3	12.3	64.0	0.0	0.
0.2	4.8	159.5	1000.0	23.8	17.0	172.0	9.9	-1.4	9.8	298.6	331.2	12.3	65.6		
1-1	6.7	386.9	975.0	22.5	16.4	173.1	12.5	-1.5	12.4	299.4	331.8	12.2	68.7	0.7	354.
1.9	9.0	606.7	950.0	21.0	16.0	173.3	15.9	-1.8	15.8	300.1	332.6	12.2	73.4	1.3	354.
2.8	11.1	837.1	925.0	17.9	14.6	176.6	13.5	-0.8	13.5	299.2	329.6	11.4	81.2	2.2	354.
3.8	13.4	1071.6	900.0	16.1	14.5	183.6	12.6	0.8	12.6	299.7	330.7	11.6	90.0	2.9	355.
4.7	15.6	1311.3	875.0	14.5	12.8	193.2	12.6	2.9	12.3	360.3	329.0	10.7	89.6	3.6	358.
5.7	10.0	1556. I	850.0	12.6	11-1	196.2	13.9	3.9	13.4	300.7	327.3	9 <b>.</b> 8	90.3	4.3	1.
6.7	20.4	1807.3	825.0	12.6	8.0	208.6	15.3	7.3	13.4	303.0	325.5	8.2	73.8	. 5.2	4.
7.8	22.7	2066.2	800.0	12.8	5.8	215.0	18.2	10.5	14.9	305.7	326.1	7.3	62.7	6.1	9.
8.8	25.2	2332.3	775.0	10.8	2.7	216.1	17.8	10.5	1404	306.2	323.3	6.0	57.3	7.2	13.
9.8	27.6	2605.2	750.0	10.0	-6.0	218.7	16.1	10.1	. 12.6	307.8	317.8	3.4	32.9	8. 2	15.
10.8	30.2	2886.6	725.0	9.5	-2.3	240.5	14.1	12.3	7.0	310.5	323.6	4.5	43.5	8. 9	19.
11.5	33.0	3177.3	700.0	8.1	-1.7	263.7	16.3	16.2	1.8	312.0	326.2	4.8	45.9	9. 4	23.
. 12.9	35.6	3476.7	675.0	6.0	-3.4	269.5	17.5	17.5	0.2	313.0	325.1	4.4	50.7	10.0	29.
14.2	38.4	3784.7	650.0	3.5	-4.6	282.6	14.6	14.2	-3.2	313.4	326.0	4.2	55.6	10.6	36.
15.6	41.0	4101.4	625.0	0.5	-5.0	282.9	14.8	14.4	-3.3	313.5	326.1	4.2	66.5	11.0	41.
17-1	44.1	4427.5	600.0	-2.8	-5.3	282.8	15.7	15.3	-3.5	313.4	326.3	4.3	83.0	11.8	48.
18.3	47.1	4763.9	575.0	-4.8	-5.8	279.0	16.8	16.6	-2.6	314.9	327.9	4.3	92.8	12.5	52.
19.4	50.2	5112.9	550.0	-7.0	-7.8	278.3	18.8	18.6	-2.7	316.3	328.1	3.9	93.9	13.4	55.
20.7	53.3	5474.9	525.0	-9.1	-10-1	200.6	18.5	18.2	-3.4	317.9	328.3	3.4	92.4	14.5	60.
22.0	56.4	5851.5	500.0	-11.1	-12.6	274.1	18.7	18.6	-1.3	319.8	328.9	2.9	89.1	15.6	63.
23.4	59.8	6244.1	475.0	-13.7	-15.2	272.0	20.4	20.4	-0.7	321.3	329.2	2.5	88.0	17.0	65.
24.8	63.3	6653.4	450.0	-16.4	-17.8	273.5	22.0	21.9	-1.3	322.8	329.6	2.1	89.0	18.7	68.
26.4	66. 8	7081.1	425.0	-19.5	-21.8	270.1	21.9	21.9	-0.1	324.1	329.2	1.6	82.0	20. 6	70.
28.2	70.6	7529-3	400.0	-22.5	-26.3	265.4	21.1	21.0	1.7	325.8	329.5	1.1	70.9	22.8	72.
30.0	74.5	7999.7	375.0	-26.2	-30.1	263.0	20.9	20.7	2.6	326.9	329.8	0.8	69.8	25.0	73.
31.8	78.7	8495.2	350.0	-30.1	-34.3	264.3	21.2	21.1	2.1	328.1	330.2	0.6	66.5	27.2	74.
33.7	82.8	9018.8	325.0	-33.6	-38.6	264.5	25.4	25. 3	2.5	330.0	331.5	0.4	61.5	30.0	75.
35.7	67.2	9574.8	300.0	-38.4	-43.7	273.2	29.5	29.4	-1.6	331.1	332.1	0.3	57.4	33.0	76.
37.7	92.3	10167.6	275.0	-42.5	99.9	273.4	35.7	35.6	-2.1	333.6	999.9	99.9	999.9	36.8	78.
40.0	97.3	10803.7	250.0	-48.0	99.9	274.3	38.7	38.6	-2.9	334.7	999.9	99.9	999.9	42.0	80.
42.6	102-5	11490-2	225.0	-53.4	99.9	272.7	39.0	39.0	-1.8	336.7	999.9	99.9	999.9	47.8	82.
45.3	108.8	12238.1	200.0	-59.4	99.9	273.3	41.4	41.3	-2.4	338.€	999.9	99.9	999.9	54.6	83.
48.4	115.2	13066.7	175.0	-61.5	99.9	271.9	38.5	38.4	-1.3	348.4	999.9	99.9	999.9	62.0	85.
52.2	122.3	14023.3	150.0	-61.3	99.9	272-1	31.7	31.7	-1.2	364.4	999.9	99.9	999.9	70.3	85.
56.3	130.3	15149.2	125.0	-64.3	99.9	267.9	30.6	30.5	1-1	378.6	999.9	99.9	999.9	77.8	86.
61.2	136.7	16495.2	100.0	-69.2	99.9	259.9	22.6	22.2	4.0	394.0	999.9	99.9	999.9	85.0	86.
67.5	147.5	18206.9	75.0	-69.3	99.9	285.8	10.9	10.5	-3.0	427.5	999.9	99.9	999.9	89. 6	87.
76.2	157.3	20687.6	50.0	-59.3	99.9	17.1	3.5	-1.0	-3.3	503.9	999.9	99.9	999.9	90.9	87.
90.3	167.3	25127.5	25.0	-51-6	99.9	341-8	- 7.4	2.3	-7.1	636.7	999.9	99.9	999.9	92.9	89.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

23 APRIL 1975 2315 GMT

0.0 3.3 5.0 1015.7 24.4 20.5 160.0 8.3 -2.8 7.8 298.3 338.0 15.2 10.4 4.5 141.9 1000.0 23.4 20.4 162.0 9.3 -2.9 8.8 298.6 338.7 15.3 6 1.2 6.3 363.0 975.0 21.2 19.6 164.8 9.7 -2.5 9.3 298.5 337.6 14.9 14.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	RH RANG (90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DG  0 0. 3 349. 7 342. 1 343. 6 347. 2 355. 9 359. 5 2. 9 3.
0.0 3.3 5.0 1015.7 24.4 20.5 160.0 8.3 -2.8 7.8 298.3 338.0 15.2 10.4 4.5 141.9 1000.0 23.4 20.4 162.0 9.3 -2.9 8.8 298.6 338.7 15.3 6 1.2 6.3 363.0 975.0 21.2 19.6 164.8 9.7 -2.5 9.3 298.5 337.6 14.9 14.9 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	79.0 0. 3.2 0. 0.0.7 0. 14.1 1. 13.1 1. 12.9 2. 11.1 2. 10.1 3. 10.1 3. 10.1 3. 10.1 3. 10.1 3. 10.1 4.	DG  0 0. 3 349. 7 342. 1 343. 6 347. 2 355. 9 359. 5 2. 9 3.
0.4 4.5 141.9 1000.0 23.4 20.4 162.0 9.3 -2.9 8.8 298.6 338.7 15.3 1.2 6.3 363.0 975.0 21.2 19.6 164.8 9.7 -2.5 9.3 298.5 337.6 14.9 8.3 588.1 950.0 19.2 18.2 170.1 11.2 -1.9 11.1 298.5 335.3 14.0 8.3 1.2 1.0 1.0 1.0 19.2 18.2 170.1 11.2 -1.9 11.1 298.5 335.3 14.0 8.3 12.1 1051.8 90.0 15.8 14.6 192.3 14.1 3.0 1.2 13.0 298.9 332.6 12.8 14.2 1291.3 875.0 14.5 13.0 196.1 12.3 3.4 11.8 300.3 329.5 10.9 8.3 14.2 1291.3 875.0 14.5 13.0 196.1 12.3 3.4 11.8 300.3 329.5 10.9 8.3 18.2 1786.8 825.0 14.1 -9.9 188.5 7.3 1.1 7.3 303.8 310.5 2.3 18.2 1786.8 825.0 14.1 -9.9 188.5 7.3 1.1 7.3 303.8 310.5 2.3 18.2 1786.8 825.0 14.1 -9.9 188.5 7.3 1.1 7.3 303.8 310.5 2.3 18.2 1786.8 825.0 14.1 -9.9 188.5 7.3 1.1 7.3 303.8 310.5 2.3 18.9 4.9 6.6 20.4 20.45.7 800.0 12.4 0.2 194.0 6.6 1.6 6.4 305.0 318.9 4.9 6.7 5 22.5 2311.3 775.0 11.0 1.6 195.9 7.1 1.9 6.8 306.3 322.2 5.6 5 24.7 2870.2 725.0 13.6 -31.9 221.0 10.0 6.5 7.5 314.4 315.8 0.4 10.3 29.1 3164.0 700.0 11.9 -20.1 237.1 11.7 9.8 6.4 315.7 317.9 0.6 11.5 31.6 3460.4 675.0 9.0 -22.4 244.4 13.5 12.2 5.9 315.8 318.9 0.9 12.6 34.1 3776.9 650.0 6.3 -22.0 248.0 13.0 12.0 4.9 316.2 319.5 1.0 13.7 36.4 4096.7 625.0 3.5 -20.5 251.0 13.2 12.5 4.3 310.6 320.4 1.2 13.5 13.5 13.0 13.7 36.4 4096.7 625.0 3.5 -20.5 251.0 13.2 12.5 4.3 310.6 320.4 1.2 13.5 13.5 248.3 13.3 12.3 4.9 317.4 324.5 2.2 3.1 13.7 50.0 585.6 50.0 585.6 50.0 -4.9 -12.4 234.9 13.2 12.5 4.3 310.6 320.4 1.2 13.5 24.5 13.5 24.5 31.3 12.3 4.9 317.4 324.5 2.2 3.1 13.5 248.3 13.3 12.3 4.9 317.4 324.5 2.2 3.1 13.5 248.3 13.3 12.3 4.9 317.4 324.5 2.2 3.1 13.5 24.5 31.5 31.5 31.6 320.4 328.3 32.5 32.5 32.5 32.5 32.5 32.5 32.5 32	33-2 0. 00-7 0. 14-1 1. 13-1 1. 12-9 2. 11-1 2. 10-1 3. 8-7 3. 3-3 4.	3 349. 7 342. 1 343. 6 347. 2 355. 9 359. 5 2. 9 3.
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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE CR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 248 SHREVEPORT. LA

#### 23 APRIL 1675 2322 GMT

162 14. 1 ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE A 7 M/SEC PCT KM DG GFM M8 DG C DG C CG M/SEC M/SEC DG K DG K GM/KG PIN 0.0 1004.7 18.3 180.0 298.5 333.6 13.3 71.0 0. 79.0 23.9 4.6 0.0 4.6 0.0 4.1 23.8 179.6 334.0 13.4 71.3 0.3 350. 0.1 4.5 120.2 1000.0 18.3 1.9 -0.0 1.9 298.7 0.5 360. 975.0 23.3 17.8 176.1 -0.3 4.0 300.5 235.9 13.3 71.1 0.9 6.4 342.1 4.0 300.6 15.4 335.1 13.0 1.0 358. 1.6 e. 5 568.7 950.0 21.4 17.0 176.7 15.4 -0.9 76.2 15.0 10.6 799.7 925.0 19.3 16.0 181.5 15.0 0.4 300.7 334.0 12.5 81.1 1.9 358. 2. 6 3.5 12.6 1035.3 900.0 17.4 14.5 189.0 16.3 2.6 16. I 301.0 332.2 11.6 83.1 2.7 0. 1276.0 875.0 13.5 194.2 19.0 18. 5 302.0 332.2 11.2 84.7 3.6 3. 4.3 14.8 16.1 4.7 203.3 15.7 303.1 333.8 11.4 90.9 4.6 6. 5.3 16.8 1522.7 850.C 14.7 13.2 6.2 14.4 207.0 15.8 7.2 14.0 303.9 332.7 10.6 91.1 5.5 10. 1775.3 825.0 13.1 11.67 6.4 19.2 7.3 12.4 306-2 328.9 8.1 68.3 6.4 12. 21.3 2034.7 800.0 13.1 7.4 210.3 14.4 7.3 23.6 2302.1 775.0 12.6 3.2 205.4 12.2 5.2 11.0 308.2 326.1 6.3 52.6 7.1 14. 8.2 2578.3 750.0 13.7 -1.3 198.9 10.6 3.4 10.0 312.1 325.9 4.7 35.5 7.7 15. 9.2 25-8 36.5 10.4 26. 3 2863.2 725.0 12.2 -1.5 209.7 11.0 5.5 9.6 313.4 327.5 4.7 8.5 15. 30.9 314.6 41.7 9.2 17. 3156.4 700.0 10.4 -2.0 228.0 12.8 9.5 8.6 328.7 4.7 11.5 12.4 33.5 3457.7 675.0 7.5 -3.2 243.4 16.4 14.7 7.4 3 4.6 328.0 4.5 46.5 9.8 20. 314.0 327.2 11.0 27. 36.0 3767.0 650.0 3.9 -3.9 245.7 19.9 18.1 8.2 4.4 56.7 14.0 15.6 38.7 4085.0 625.0 2.0 -5.1 245.3 19.4 17.6 8. 1 315.3 327.9 4.2 59.2 12.7 32. 13.7 35. 16.7 41.3 441305 600.0 0.2 -7.0 255.9 20.9 20.3 5.1 316.8 328.3 3.8 58.4 17.9 44.2 4753.0 575.0 -3.0 -7.7 258.7 23.2 22.8 4.6 317.0 328.4 3.7 69.7 15.0 40. 19.3 47.1 5103.8 550.0 -5.3 -9.0 265.2 23.9 23.8 2.0 318.2 329.1 3.5 75.4 16.5 44. 20.5 50.1 5467.9 525.0 -8.0 -9.9 272.4 24.2 24.2 -1.0 319.2 329.8 3.4 86.2 17.9 48. 274.6 22.3 319.6 328.4 87.5 19.1 52. 21.9 53. 1 5845.3 500.0 -11-3 -12.9 22.2 -1.8 2.8 6237.9 475.0 329.5 84.8 21.1 56. £3.6 56. I -13.3 -15.3 266.8 24.5 24.5 1.4 321.7 2.4 6647.9 450.0 25.0 323.2 330.3 90.4 22.6 58. 24.7 59.4 -16.1. -17.3 267.0 25.1 1.3 2.2 7076.1 425.0 324.6 330 .4 90.0 24.0 60. 25.8 63.0 -19.1 -20.4 266.8 23.0 23.0 1.3 1.8 27.2 66.3 7524.8 400.0 -22.6 -24.2 264.5 21.0 20.9 2.0 325.7 330.3 1.3 86.5 25.6 52. 7995.0 375.0 326.5 329.8 1.0 83.7 27.5 63. 28.9 70.1 -26.6 -28.5 262.4 22.3 22.1 3.0 30.7 73.9 8489.6 350.0 -31.0 -34.6 261.6 25.8 25.6 3.8 327.0 329.0 0.6 70.3 30.0 65. 9010.3 325.0 34.3 33.2 78.0 -34.9 -42.0 257.4 31.7 30.9 6. 9 328.6 329.6 0.3 47.9 67. 35.1 82.2 9565.0 300.0 -38.5 -46.5 265.6 34.0 33.9 2.6 331.0 331.7 0.2 42.2 38.0 68. 37.2 26.5 10157.2 275.0 -43.2 99.9 264.8 34.5 34.4 3. 1 332.7 999.9 99.9 995.9 41.9 70. 39.9 91.4 10793.0 250.0 -47.9 99.9 264.1 39.4 39.2 4.1 334.8 999.9 99.9 999.9 46.0 72. 999.9 999.9 54.3 42.5 96.3 11479.4 225.0 -52.9 99.9 261.8 40.5 40.1 5.8 337.4 99.9 73. 999.9 999.9 62.1 74. 45.6 101.8 12228.3 200.0 -58.9 99.9 262.7 40.4 40.0 5.2 339.6 99.9 48.7 108.0 13055.6 175.0 -61.6 99.9 260.9 50.04 49.4 7.9 348.2 999.9 99. 9 999.9 69.9 75. 77.7 52.2 114.7 14015.1 150.0 -60.4 261.1 28.94 28.5 4.5 366.0 999.9 99.9 999.9 76. 59.9 122.3 15139.1 125.0 -64.2 99.9 261.4 29.6\* 29.3 4.4 378.7 999.9 99.9 999.9 86.0 77. 56.7 999.9 77. 61.9 130.8 16497.0 100.0 -67.6 262.3 28.1\* 27.8 3.8 397.2 99.9 999.9 93.7 99.9 68.3 140.0 18206.0 75.0 -69.3 99.9 248.3 14.9\* 13.8 5.5 427.7 999.9 99.9 999.9 99.1 77. 102.4 77. 77.5 150.0 20689.2 50.0 -59.2 99.9 269.3 13.5 13.5 0.2 504.1 999.9 99.9 999.9

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6.2

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255 VICTORIA: TEX

23 APRIL 1975 2315 GHT

165 15. 0

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TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM '	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	G4/KG	PCT	KM	DG
0.0	4.4	33.0	1007.4	26.8	19.7	170.0	12.6	-2.2	12.6	301.3	339.8	14.5	65.0	0.0	0.
0.1	4.8	98.3	1000.0	26.2	19.5	171.9	13.3	-1.9	13.2	301.4	340.5	14.7	68.0	0.4	353.
0.7	697	321.6	975.0	24.1	10.5	167.4	14.1	-3.1	13.8	301.3	339 • 1	14.2	72.2	0.7	350.
1.4	8.8	548.9	950.0	22.3	16.8	164-1	17.3	-4.7	16.6	301.5	335.9	12.8	71.3	1.4	34.4.
2.2	10.9	780.8	925.0	21.4	12.3	180.3	20.7	0.1	20.7	302.6	329.2	9.8	55.9	2. 2	34 %
2.8	13.1	1016.7	900.0	21.7	8.0	180.4	22.2	0.2	22.2	304.9	325.9	7.5	41.6	3. 1	353.
J. 6		1263.2	875.0	21.4	5.3	179.8	19.2	-0.1	19.2	306.9	325.2	6.4	35.0	4.1	354.
4.5	17.6	1513.3	850.0	19.4	3.7	184.2	17.0	1.2	17.0	307.3	324.1	5.9	35.3	5. 0	356.
5.4	20.0	1769.2	825.0	18.0	0.1	199.6	14.7	4.9	13. B	308.3	321.9	4.7	29.8	5.9	356.
6.3	22.2	2032.5	800.0	19.1	-13.3	215.8	12.8	7.5	10.4	311.7	317.1	1.7	10.0	6.4	1.
7.2	24.7	2304.3	775.0	18-3	-16.1	212.4	16.2	8.7	£3.7	313.7	318.2	1.4	8.3	7-1	5.
8.2	27.0	2584.2	750.0	17.8	-18.1	209.4	16.7	8.2	13-6	316.1	320.1	1.2	7.2	8.1	8.
9.2	29.7	2872.3	725.0	15.4	-24.5	208.2	15.4	7.3	15.6	316.4	319.8	0.7	4.8	9. C	10.
10.1	32.3	3167.9	700.0	13.6	-18.2	203.8	.15.0	6.1	13.8	317.7	322.0	1.3	9.3	9.7	11.
11.1	35.0	3472.6	675.0	11.6	-13.8	199.0	15.1	4.9	14.3	318.9	325.1	2.0	15.4	10.7	12.
12.2	37.7	3786.6	650.0	9.2	-11.4	201.9	14.0	5.2	1 J. 0	319.7	327.5	2.5	22.0	11.6	13.
13.1	40.4	4109.9	625.0	6.3	-11.2	212.7	11.2	6.1	9.4	319.9	328.1	2.6	27.5	12.3	14.
14.3	43.3	4442.5	600.0	3.1	-10.0	223.4	10.8	7.4	7.9	320.1	329.5	3.0	37.6	13.0	15.
15.4	46.3	4765.7	575.0	0.2	-8.8	226.7	11-1	8.1	7.6	320.6	331.3	3.4	51.0	13.6	17.
16.5	49.4	5140.2	550.0	-2.9	-8.6	240.2	9.6	8.3	4.8	321.1	332.4	3.6	64.8	14.2	18.
17.8	52.3	5507.0	525.0	-6.1	-11.6	262.8	9.4	9.3	1.2	321.4	330.6	3.0	65.2	14.6	20.
19.1	55.4	5886.9	500.0	-8.9	-18.9	264.3	11.6	11.5	1-1	322.3	328.1	1.8	45.4	15.0	23.
20.5	56.7	6282.4	475.0	-11.4	-31.5	256.8	12.4	12.0	2.8	323.9	325.9	0.6	17.5	15.5	26.
21.9	62.1	6694+8	450.0	-14-2	-27.1	256.5	12.8	12.5	0 eE	325.4	328.6	0.9	32.€	16. 3	296
23.4	65.6	7125.9	425.0	-17.6	-35.7	258.8	15.5	15.2	3.0	326.4	327.9	0.4	18.7	17.2	32.
24.9	69.3	7576.1	400.0	-21.6	-36.5	265.7	17.4	17.4	1.3	326.9	328.4	0.4	24.5	18.1	36.
26.5	73.0	8048.2	375.0	-24.8	-32.7	260.5	21.2	20.9	3 <b>•</b> 5	328.8	331.0	0.6	47.3	19.3	40.
28.1	77.0	8547.2	350.0	-27.6	-47.4	260.1	24.7	24.3	4.3	331.5	332.0	0.1	13.0	21.0	44.
29.7	80.7	907650	325.0	-31.7	-34.6	259.9	27.5	27.1	4.8	333.0	335.2	0.6	75.3	23.2	47.
31.9	85.1	9636.7	300.0	-36.2	-44.3	259.8	27.8	27.4	4.9	334.2	335.1	0.2	43.1	26. I	52.
34-1	89.6	10234.4	275.0	-40.9	99.9	260.1	29.6	29.2	5.1	335.9	999.9	99.9	999.9	29.6	
36.4	94.6	10875.5	250.0	-46.2	99.9	262.2	31.9	31.6	4.3	337.4	999.9	99.9	999.9	33.6	56.
39.0	99.6	11568.5	225.0	-51.4	59.9	260.8	32.0	31.6	. 5. i	339.7	999.9	99.9	999.9	38• 2	61.
41.7	105.3	12322.4	200.0	-57.5	99.9	258.2	31.8	31.1	ۥ 5	341.7	999.9	99.9	999.9	43.6	63.
44.7	111.3	13152.4	175.0	-62.7	99.9	265.2	28.8	28.7	2.4	346.5	999.9	99.9	999.9	48.7	65.
48.0	118.0	14099.4	150.0	-61.7	59.9	260.3	29.0	28.6	4.9	363.8	959.9	99.9	999.9	54.9	67.
52.1	125.8	15216.5	125.0	-66.4	99.9	259.5	26.8	26.4	4.9	374.7	999.9	99.9	999.9	61 • 6	58.
57.0	134.3	16550.8	100.0	-69.8	99.9	243.7	20.9	18.7	9.3	392+8	929.9	99.9	999•9	67. 6	69.
62.9	143.0	18251.3	75.0	-71.9	59.9	260.8	15.7	15.5	2.5	422.2	999.9	99.9	999.9	73.3	69.
														90 9	70.
71.5	153.0	20733.4	50.0	60 <b>-</b> 6	99.9	216.3	4-1	2+4	3.3	500.7	999.9	99.9	999.9	75.3	7.00

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260 STEPHENVILLE, TEX 23 APRIL 1975

2)15 GMT ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

160 25- 1

TIME	CN"CT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	S A
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	10.0	399.0	962.6	26.3	19.9	150.0	6.2	-3.1	5.4	304.€	346.4	15.4	68.0	0.0	. 0.
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.5	999.9	99.9	999•9	959. 9	939,
0.2	11.1	515.5	950.0	25.6	18.6	309.6	2.8	2.1	-1.8	305.2	344.0	14.4	65.2	6.7	333.
0.9	13.7	750-1	925.0	23.6	16.9	191.9	4.3	0.9	4.2	305.2	341.3	13.3	66+2	0.6	336.
1.7	16.0	989.4	900.0	21.8	15.6	183.7	14.5	0.9	14.5	305.6	339.8	12.5	67.9	1 0 1	348.
2.4	18.6	1233.9	875.0	19.9	15.0	190.2	14.2	2.5	14.0	306.2	340.1	12.4	. 73.3	1.7	355.
3.2	21.1	1483.7	850.0	18.0	14.7	198.8	15.1	4.9	14.3	306.7	341.0	12.5	81.0	2.4	C.
4.0	23.8	1739.3	825.0	15.7	14.4	207.2	15.6	7.41	13.8	306.9	341.5	12.7	92.4	3.1	6.
4.9	26.3	2000.6	800.0	13.7	13.1	214.1	15.5	8.7	12.9	307.3	340.3	12.0	96.5	3. 9	11.
5.7	29.1	2268.4	775.0	12.3	11-4	219.4	15.1	9.6	11.7	308.5	339.1	11.0	94.6	4.6	15.
6.5	32.0	2543.3	750.0	10.4	8.6	228.4	15.8	1,1 • 8	10.5	309,2	335.9	9.5	89.5	5.2	19.
7.6	34.9	2928.2	725.0	14.1	-21.0	237.9	19.7	28.7	10.5	315.0	318.3	1.0	7.1	6.1	24.
8.5	37.6	3122.7	700.0	12.2	-28.1	241.6	20.3	17.8	9•7	316.0	317.8	0.5	4.3	7.1	30.
9.5	40.5	3425.4	675.0	10.0	-26.5	238.3	21.0	17.8	11.0	316.9	319.0	0.6	5.7	8. 1	35.
10.4	43.4	3737.3	650.0	7.6	-24.5	234.5	21.2	17.3	12.3	317.6	320.3	0.8	8. 1	9.3	37.
11.4	46.5	4058.4	625.0	4.8	-16.4	234.7	20.3	16.5	11.7	318.2	323.7	1.7	20.0	10.4	39.
12.5	45.8	4389.3	600.0	1.7	-11.5	235.9	21.7	18.0	12.2	318.4	326.6	2.€	36.9	11.7	41.
13.5	52.8	4731.0	575.0	-0.9	-13.2	236.4	22.2	18.5	12.3	319.2	326.8	2.4	38, 5	13.0	43.
14.6	55.9	5083.7	550.0	-3.9	-22.8	236.5	22.7	18.9	12.5	319.6	323.3	1.1	21.3	14.6	44.
15.8	59.3	5448.8	525.0	-6.9	-30.4	237.8	20.8	17.6	11.1	320.2	322.2	0.6	13.7	16.1	45.
17-1	62.9	5826.6	500+0	-10.8	-23.4	239.7	21.9	18.9	11.1	320.0	323.8	1.2	34.3	17.0	46.
18.3	66.2	6218.5	475.0	-14.3	-22.4	244.7	21.4	19.3	9. 2	320.4	324.7	1.3	50.1	19.2	48.
19.7	65.9	6626.0	450.0	-17.6	-28.3	250.7	25.3	23.9	9• 4	321.1	323.9	0.8	38.8	20.9	49.
 21.0	73.5	7052.1	425.0	-19.6	-62.4	256.2	23.3	22.6	5.6	323.7	323.8	0.0	1.0	22, 8	52.
22.4	77.3	7499.4	400.0	-22.9	-64.6	253.0	25.3	24.2	7.4	325.1	325.2	0.0	1.0	24+5	53.
23.9	61.2	7969.3	375.0	-26.1	-66.6	254.4	27.0	26.0	7.3	327.0	327.1	0.0	1.0	26. 9	55.
25.8	25.4	8464.8	350.0	-29.8	-69.0	256.7	27.4	26.7	6.3	328.5	328.5	0.0	1.0	29.4	57.
27.5	89.5	8989.2	325.0	-33.2	-71.3	258.7	31.8	31.2	6.2	330 ⋅ €	330.8	0.0	1.0	32.4	59.
29.4	94.2	9517.3	300.0	-37.2	-59.4	256.0	39.3	36.1	9.5	332.9	333.0	0.0	7.7	36.2	61.
31.3	98-5	10143.8	275.0	-41.0	99.9	251.5	43.8	41.5	13.9	335.8	999.9	99.9	999.9	40.6	63.
33.6	103.5	10785.1	250.C	-46.0	99.9	247.9	46.2	42.8	17.4	337.7	999.9	99.9	999.9	46.6	63.
36.1	109.0	11476.7	225.0	-52-0	99.9	247.7	46.7	43.2	17.8	338.8	999.9	99.9	599.9	53.4	64.
38.9	114.8	12228.4	200.0	-58.3	99.9	24704	38.1	35.2	14.6	340.5	569.9	99.9	999.9	60.3	54.
41.7	120.9	13057.1	175.0	-63.0	99.9	250.0	41.0	39.6	14.9	345.9	999.9	99.9	999.9	67. 4	65.
45.3	127.5	14012.2	150.0	-60.0	99.9	256.6	33.5*	32.6	7.5	366.7	999.9	99.9	999.9	74.7	66.
49-1	134.8	15147.4	125.0	-60.9	99.9	253.0	34.1+	32.6	10.0	384.7	999.9	99.9	999.9	83.0	60.
53.9	142.0	16512.5	100.0	-67.2	99.9	264.4	20.1*	20.0	2.0	398.0	999.9	99.9	999.9	90.2	67.
59.8	150.J	18235.7	75•0	-67.7	99.9	186.3	4.6*	0.5	4.6	430.9	999.9	99.9	999.9	96.1	67.
67.9	159.5	26751.9	50.0	-57.4	69.9	69.1	10.3	-9.6	-3.7	508.3	999.9	99.9	999.9	99.1	67.
60.1	169.0	25211.0	25.0	-50.8	99.9	999.9	99.9	99.9	99.9	638.7	999.9	99.9	999.9	999.9	
					2,00										

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 201 DEL RIO. TEX

23 APRIL 1975 2315 GMT

162 13. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	8.9	314.0	969.8	32.6	18.4	140.0	,5•7	-3.7	4.4	310.4	348.9	13.9	43.0	0.0	٥.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	999. 9	999.
99,9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	599.9	99.9	999.9	999.9	
0.7	10.7	498.6	950.0	29.0	17.0	146.6	7.2	-3.9	6.0	30864	344.3	13.0	48.5		<b>3</b> 37•
1.5	13.0	735.6	925.0	27.0	16.2	140.3	5.6	-4.2	5.1	309.7	343.6	12.6	51.6		329.
2.2	15.4	977.4	900.0	24.7	15.3	136.1	8.4	-5.8	6.0	308.6	342.6	12.3	56.2		
3.1	17.8	1223.8	875.0	22.2	14-1	128.3	9.1	-7.2	5.7	308.4	340.7	11.7	60.0		321.
4.1	20.3	1475.3	850.0	19.8	12.7	126.1	9.7	-7.9	5.7	308.4	338.7	10.9	63.4		317.
5.1	22.6	1732.6	825.0	19.0	7.7	132.5	6.2	-4.6	4.2	309.8	332.7	8. 1	48.0		
6.0	25.4	1996.9	800.0	19.4	3.1	161.1	3.2	0.1	3.2	312.6	330 • 1	6.0	34.0		316.
6.9	27.5	2269.3	775.0	18.0	0.3	244.3	6.3	5.7	2.7	313.€	328.8	5.1	30.4		
8.0	30.7	2549.0	750.0	16.9	-3+2	262.7	11.0	10.9	1.4	315.5	327.7	4.0	25.1		
9.0	33.4	2836.9	725.0	14.9	-4.0	262.2	12.0	11.9	1.6	316.4	328.3	3.9	26.8		350.
9.9	36.0	3132-1	700.0	12.2	-5.6	256.2	11.9	11.5	2.8	316.5	327.5	3.6	28.3	2.4	-6.•
11.0	38.9	3435.5	675.0	9.5	-7.7	247.8	11.9	11.0	4.5	316.7	326.6	3.2	26.8	2.8	20.
11.8	41.5	3747.3	650.0	7.1	-9+3	241.4	13.3	11.7	. 6.4	317.4	326.5	2.9	29.9	3.3	28.
12.9	44.4	4068.4	625.0	4.7	-12.0	237.5	14.5	12.2	. 7• €	318.1	325.7	2.4	28.5	4.1	34.
14.1	47.5	4399.3	600.0	1.8	-14.7	238.3	16.0	13.6	8.4	318.5	325.0	2.0	28.1	5• 1	39.
15.4	50 • 5	4740.9	575.0	-0.8	-17.0	239.2	18.0	15.5	9• 2	319.2	324.8	1.6	28.1	6.4	43.
16.8	53.6	5094.1	550.0	-3.2	-19.2	238.9	18.9	16.2	9.7	320.5	325.4	1.5	27.7	7. 9	46.
16.0	56.6	5460.3	525.0	-6.2	-24.0	239.0	17.2	14.7	8 · 8	321.1	324.6	1.0	22.8	9. 2	
19.3	60.0	5839.4	500.0	-9.5	-26.8	241.2	16.7	14.6	8.0	321.5	324.4	0 • B	22.8	10.5	49.
20 • 5	63.4	6233.5	475.0	-12.4	-30.8	244.3	18.1	16.3	7.8	322.7	324.8	0.6	19.7	11.7	
21.7	66.7	6644.1	450.0	-15.5	-2900	246.8	20.€	19.2	e. 2	323.8	320.4	0.8	30.3	13.0	52.
23.1	70.3	7072.6	425.0	-19.2	~27.3	252.2	22.7	21.7	7.0	324.5	327.7	0.9	48.3	14.9	54.
24.6	73.9	7520.3	400.0	-22.9	-32.3	256•1	23.1	22.4	5.6	325.3	327.5	0.6	41.7	16. 9	
26.3	77•9	7990.4	375.0	-26.3	-30.5	256• i	27.5	26.7	6.6	326.8	329.6	0.8	67.4	19.2	
28.1	e1.7	8485.8	350.0	-29.9	-38.3	253.4	28.4	27.2	8.1	328•4	329.8	0.4	44.0	22. 1	62.
29.8	<b>85.7</b>	9009.9	325.0	-33.4	-43,4	252.2	32.0	30.5	9.8	330.6	331 • 5	0.2	35.6	25.2	
31.8	90•0	9567.4	300.0	-37.4	-48.5	256.5	33.8	32.9	7.9	332.6	333.2	0.1	29.8	29.1	65.
33.9	94.8	10165-1	275.0	-42-1	99•9	251.9	34.3	32∙6	10.6	334.3	999.9	99.9	999.9	33. 2	
36.0	99.4	10800.0	250.0	-47.3	59.9	249.4	36.1	3,3 • 8	12.7	335.8	999•9	99.9	999.9	37•8	
38.4	104.4	11487.9	225.0	~53.0	99.9	252.4	40.6	38.7	12.3	337.3	999.9	99.9	999.9	43.2	
41.1	110-2	12236.6	500.0	-59.0	8638	249.3	39.9	37.4	14. 1	339.4	999.9	99.9	99 9. 9	49.6	
43.9	115.8	13064.4	175.0	-63.9	99.9	25@• <i>2</i>	36.3	35 <sub>0</sub> 5	7.4	344.5	999.9	99.9	999.9	56.1	65.
47.1	122.3	14011.5	150.0	-62.8	99.9	252.1	31.0	29.5	9.5	361.6	630.9	99.9	. 999.9	62•2	69.
51.0	129.7	15127.4	125.0	-66.9	99.9	249.5	30.0	28.1.	10.5	373.9	999.9	99.9	999.9	70.0	69.
55.3	137. 3	16468.5	100.0	-68.8	99•9	239.3	18.2	15.6	9. 3	394. €	999.9	99.9	99909	75. 6	
60.7	145.3	15174.1	75.0	-69.4	99•9	265.5	10.0	9.9	y 0.5	427.4	999.9	99.9	999.9	81.7	69.
68.6	154.5	20649.1	50.0	-60.8	99.9	214.6	8.2	4.7	6.8	500 a 2	999.9	99.9	999.9	84.9	69.
80.6	164.3	25072.2	25.0	-53.4	99.9	165.3	2.0	-0.5	2.0	631.7	999 <b>.9</b>	99.9	999.9	85. 4	68.

<sup>\*</sup> EV SPEEC MEANS ELEVATION ANGLE BETREEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 265

#### 23 APRIL 1975 2315 GMT

153

17. 0

TIME CATCT HE I GHT PRES TEMP CEW PT DIR MX RTO SPEED U COMP V CCMP POT T E POT T RH RANGE AZ DG C DG C MIN GFM MB CG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 12.5 873.0 908.9 31.7 250.0 313.8 0.0 -1.2 9.3 8.7 3.2 325.5 3.9 12.0 0.0 C. 99.7 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 995. 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 55.9 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99. 9 999.9 999.9 999. 99.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 94.9 999.9 99.9 999.9 999.9 999. 0.3 13.3 961.1 900.0 30.3 8.4 249.9 10.4 9.8 3.6 313.9 336.2 7.7 25.4 0.3 86. 0.5 15.5 1211.5 875.0 27.5 6.1 252.4 10.4 9.9 3.1 313.4 333.0 6.8 25.5 0.4 80. 1.5 17.8 1466.6 850.0 24.9 3.9 257.7 11.2 10.9 2.4 313.1 330.6 25.6 C. 9 78. 6.0 20.2 1726.9 825.0 22.2 252.8 77. 2.2 1.7 10.9 10.4 3. 2 312.7 328.2 5.3 25e 8 1.4 3.0 22.5 1992.7 800.0 19.7 0.2 247.3 10.5 9.6 4.0 312.8 327.2 4.9 26.9 1. 3 75. 3.9 25.0 2264.6 775.0 17.3 243.3 313.0 27.2 73. -1.7 10.0 8.9 4.5 326.0 4.4 2.4 312.3 323.4 5. 1 27. 3 2542.6 750.0 14.0 -4.3 238.4 11.1 9.5 5.8 3.7 27.5 3.2 70. 6.3 30.0 2827.0 725.0 11.3 -6.5 237.8 11.5 7.2 312.2 322.1 28.2 67. 13.6 3.3 4.0 7.3 32.6 3119.0 700.0 9.0 1.8-242.8 7.1 312.8 321.8 3.0 29.0 15.5 13.8 4.9 66. 8. 2 35. 3 3418.7 675.0 -10.4 245.4 18.2 16.5 7.6 313.3 321.2 28.5 6 • 5 2.6 5. 4 65. 9.0 37.9 3726.8 650.0 4.4 -12.8 244.5 21.4 19.3 9.2 314.2 321.0 27.2 6.7 66. 2.2 9.7 4C. 6 4045.0 625.0 2.4 -15.4 243.3 24.6 22.0 11.1 315.4 321.2 1.8 25.5 7.7 66. 10.5 43.4 4374.4 600.0 1.4 -16.3 243.0 25.6 22.8 11.6 317.9 323.6 1.8 25.2 9. 0 65. 11.5 46.4 4715.6 575.0 -1-1 -18.4 247.9 22.9 21.2 8.6 318.9 323.9 1.6 25.3 10.5 65. 12.7 49.5 5068.5 550.0 -3.8 -20.7 259.3 22.4 22.0 319.7 324.0 25.5 12.0 4.1 1.3 600 24.0 14.0 52.4 5434.1 525.0 -6.2 -22.7 261.1 24.3 3.8 321.1 325.0 1.2 25.6 13.8 68. 15.5 5813.5 500.0 -9.5 -25.5 261.8 24.0 321.5 324.7 25.7 15.9 70. 55.6 24.2 3.5 1.0 17.1 58.9 6206.7 475.0 ~13.5 -28.9 262.5 26.5 26.3 3.5 321.3 323.9 0.7 25.9 18.2 71. 18.5 62.1 6615.1 450.0 -16.9 -31.8 252.2 28.5 27.2 8.7 322.0 324.0 0.6 26.0 20.5 720 19.9 65.6 7042.4 425.0 -19.7 -34 - 1 249.5 30.6 28.7 10.7 323.8 325.5 0.5 26.1 22.9 72. 21.5 69.1 7489.2 40C.0 -23.2 -37.1 249.8 32.5 30.5 11.2 324.9 326.2 0.4 26.3 25,9 72. 23.2 72.7 7958.4 375.0 -26.8 -40.3 251.9 30.7 29.2 9.6 326.0 327.1 0.3 26.4 29.4 72. 25.1 76.7 8452.2 350.0 -30.9 -43.8 253.1 32.6 31.2 9.5 327:1 327.9 0.2 2626 32.9 72. 26.9 80.4 8973.9 325.0 -35.0 -47.4 251.6 28.2 328.4 329.0 0.2 36. 3 72. 29.7 9.4 26.6 28.8 64.7 9526.2 300.0 -40.3 99.9 250.9 29.1 27.5 9.5 328.5 999.9 99.9 999.9 39.7 72. 30.9 89. J 10113.2 275.0 -45.0 99.9 251.9 34.9 330.0 999.9 99.9 999.9 43.7 720 36.8 11.5 33.2 94.0 10745.4 250.0 -48.5 99.9 250.1 39 e l 36.7 333.9 999.9 99.9 999.9 49.0 72. 13.3 35.6 99.0 11430.2 225.0 -53.8 99.9 249.8 44.9 42.1 15.5 336.1 999.9 99.9 999.9 55.1 72. 38.3 104.3 12178.1 200.0 -58.8 99.9 250.0 43.4\* 40.8 14.8 339.7 999.9 99.9 999.9 61.8 71. -59.7 999.9 71. 41.2 110.2 13015.8 175.0 99.9 250.1 38.7\* 36.4 13.2 351.4 999.9 99.9 68.3 999.9 75.5 44.6 116.7 13975.9 150.0 ~60.7 99.9 246.3 34.3\* 31.4 13.8 365.6 999.9 99.9 71. 250.5 37.5# 378.4 999.9 83. 1 70. 48.3 124.0 15104.6 125.0 -64.4 99.9 35.4 12.6 999.9 99.9 999.9 53.0 132.3 16459.6 100.0 -65.3 59.9 263.4 30.7\* 30.5 3.5 401.6 99.9 999.9 92.9 71. 58.6 141.0 18203.8 75.0 -65.4 99.9 250.7 9.8\* 9.3 3.3 435.9 999.9 99.9 999.9 97.7 71. 67.3 150.5 20720.5 50.0 -55.7 99.9 242.5 4.9 4.4 2.3 512.4 999.9 99.9 999.9 101.9 71. 80.3 160.5 25184.3 25.0 -51.1 99.9 66.6 2.5 -2.3 -1.0 638.1 999.9 99.9 999.9 103.2 70.

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> FY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFCLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NU. 304 HATTERAS. NC

23 APRIL 1975 2315 GMT

156 21. 0

	TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
					54 ±55						000 4	710 4	•• •	70.0		•
	0.0	3. 6	4.0	1025.5	19.7	14.5	250.0	, 5.2	4.9	1.8	292.1	318.6 314.6	10.2 8.5	72.0	0.0	0.
	0.8	5.8	220.2	1 300.0	18.0	11.3	222.3	13.5	9.1	10.0	292.3			64.9	C • 6	41.
	1.6	8.0	436.6	975.0	16.2	10.4	219.3	15.1	9.5	11.7	292.6	314.1	8.2	68.3	1.2	41.
	2.4	10.2	657.3	950.0	14.3	10.0	216.7	15.0	9.0	12.0	292.8	314.2	8.1	75.2	1.9	40.
	3.1	12.3	882.2	925.0	12.3	10.5	217.7	15.2	9.3	12.0	293.0	315.8	8.7	89.2	2.6	39.
	3.8	14.5	1111.5	900.0	10-0	9.3	216.9	15.9	9.6	12.8	292.9	314.6	8.2	95.2	3.3	39.
	4 - 5	15.7	1345.6	875.0	7.8	6.0	217.9	14.3	8.8	11.3	292.7	310.7	6.8	88.5	3.9	39.
	5.4	19.1	1583.6	850.0	5.4	-7.2	231.7	12.8	10.0	7.9	292.1	299.5	2.6	39.8	4.6	39.
	6.2	21.3	1828.9	825.0	7.0	-12.4	243.4	11.5	16.3	5- 1	290.3	301.5	1.8	23.5	5.2	41.
	7.1	23.7	2080.9	800.0	5.1	-9.3	248.4	8.2	7.7	3.0	296.9	303.7	2.4	34.6	5• 6	43.
	8.0	26.0	2338.9	775.0	3.1	-7.0	262.2	7.3	7.2	1.0	297.5	305.9	2.9	47.4	6.0	45.
	9.0	28.6	2604.0	750.0	1.4.	-7.3	288.9	5.9	5,6	-1.9	298.5	307.0	2.9	52.0	5 <b>• 3</b>	48.
	9.9	21.1	2876.2	725.0	0.1	-18.2	295.7	3.9	3 <b>. 5</b>	-1.7	299.7	303.7	1.3	25.3	6.4	51.
	10.8	33.7	3157.1	700.0	-0.7	-39.0	279.3	3.2	3.2	-0.5	301.7	302 • 4	0.2	4.0	6.4	52.
	11.9	36 • 2	3446.6	675.0	~1.9	-51.1	258.7	4.9	4.8	1.0	303 <sub>a</sub> 5	303.7	0.0	1 0 0	ۥ6	53.
	12.6	38.9	3745.5	650.0	-3.1	-37.2	262.3	7.2	7.2	. 1.0	305.4	306.3	0.3	5.4	ۥ 9	54.
	13.7	41.5	4055.4	625•9	-4.3	-33.7	263.5	8.7	8.7	1.0	307.5	308.7	0.4	7•9	7 • 4	56.
	14.7	44.3	4375.5	600.0	-6.7	-35.2	270.5	10.0	10.0	-0.1	308.4	309.5	0.3	8 • 2	7. 8	58.
	15.8	47.3	4706.7	575 • 0	-8.2	-36.2	276.6	13.4	13.3	-1.5	310.3	311.4	0.3	e•3	8.4	61.
	16.9	50.2	505C.3	550.0	-10.4	-35.2	281.4	14.0	14.3	-2.9	311.7	312.9	0.3	10.9	9.2	55.
	18.2	53.1	5407.0	525.0	-12.9	-37.1	279.2	14.7	14.5	-2.4	312.9	313.9	0.3	11.0	10.2	590
	19.6	56.0	5777.2	500.0	-15.2	-31.7	276.1	15.0	14.9	-1.6	314-6	316.4	0.5	22.7	11.3	71.
1	20.9	59.4	6163.0	475.0	-17.9	-27.5	282.3	15.7	15.3	-3.3	315.9	316.7	0.8	42.7	12.3	74.
	22.3	62.7	6566.5	450.0	-19.0	-37.4	286.2	18.2	17.5	-5.1	319.4	320.6	0.3	18.0	13.5	77.
	23.6	66.0	6989.3	425.0	-22.6	-31.9	293.0	17.7	16.3	-6.9	320.0	322.1	0.6	42.4	14.8	€0.9
	24.9	69.6	7432.2	400.0	-24.9	-28.4	306.6	21.9	17.6	-13.0	322.6	3∠5.7	0.9	72.6	15.9	93.
	26.2	73.0	7898.5	375.0	-28.5	-32.6	306.6	28.0	22.5	-16.7	323.9	360.2	0.7	67.6	17.4	86.
	27.7	76.8	8389.0	350.0	-32.3	-38.8	312.0	31.1	23.1	-20.8	325.2	326.5	0.4	51.9	19.5	93.
	29.3	80.8	8906.6	325.0	-37.1	-42.9	313.5	30.3	22.0	-20.8	325.5	326.5	0.3	54.2	22.0	98.
	31.0	85.0	9454.3	300.0	-41-8	99.9	317.2	25.9	17.6	-19.0	326.4	999.9	99.9	999.9	24.2	102.
	32.9	89.2	10036.8	275.0	-47.5	99.9	314.1	25.0	18.0	-17.4	326.5	559.9	99.9	999.9	26.5	106.
	34.9	94.0	10659.1	250.0	-53.2	99.9	315.2	26.9	19.0	-19.1	327.0	999.9	99.9	999.9	29.3	
	37.0	58.8	11328.4	225.0	-59.3	99.9	315.9	28.7	20.0	-20.6	327.6	999.9	99.9	999.9	32.5	
	39.4	104.0	12056-1	200.0	-63.7	99.9	310.6	37.3	28.3	-24.3	331.9	999.9	99.9	999.9	36.6	
	41.9	110.0	12874.4	175.0	-63.5	99.9	316.4	32.7	22.5	-23.7	34501	999.9	99.5	999.9	42.2	
	44.9	116.0	13825.5	150.0	-62.0	99.9	302.5	34.9	29.4	-18.5	363.3	999.9	99.9	999.9		118.
	48.7	123.3	14961.4	125.0	-60.9	99.9	. 311.6	40.0	29.9	-26.5	384.7	999.9	99.9	999.9	55. A	
		120.9				99.9	327.4	25.2	13.6	-21.3	401.1	999.9	99.9	599.9	63. 7	
	52.6		16339.3	100.0	-65.5	99.9	32704 35002	7.1	0.2	-7. I	435.3	999.9	99.9	999.9	68.8	
	58-1	139.3	18079.3	75.0	-65.6 -50.7				6.5	-7•6	503.8	999.9	99.9	999.9	71.0	
	65.9	147.7	20589.7	50.0	-59.3	99•9	319-5	10+1						999.9	74.9	
	77.9	156.3	25023.6	25.0	-52.0	99.9	353.0	1.0	0.1	-1.0	635.7	999.9	99.9	77707	7469	4234

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 311 ATHENS. GA

#### 23 APRIL 1975 2315 GMT

TIME	CATCT	HE I GHT	PRES	TEMP	DEW PY	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SL C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.6	246.0	992.9	23.3	15.6	190.0	5.7	1.0	5.6	298.6	328.7	11.3	62,0	0.0	0.
99.9	99. 3	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	<b>99.9</b>	99.9	999.9	99.9	ତ୍ର 🕉 ବ	999.9	999.
0.5	8.2	404.3	975.0	- 21.6	1269	178.9	8.7	-0.2	8.7	298.2	324.0	9.6	5 Fo 5	0.3	1.
1.1	10.4	629.4	950.0	19.9	12.3	184.5	9.4	0.7	9.4	298.6	324,3	9.6	6 1 2 9	0.6	. 1.
2.0	12.5	858.7	925.0	17.5	12.0	191.0	9.1	1.7	8.9	298.5	324.2	9•6	アチェン	1.1	4.
2.9	14.8	1092.3	900.0	15.3	11.4	195.7	8•7	2.4	8.4	298.6	323.9	9.5	77.3	1.5	7.
3. 7	16.9	1330.8	875.0	13-1	9.2	201.3	11.3	4.1	10.5	298.6	321.3	8.4	77.2	2.0	10.
4.6	19.3	1574.4	850.0	11.2	8.2	206.1	14.6	6.4	13.1	298.9	320.9	8.1	92.0	2.7	13.
5.4	21.5	1823.7	825.0	9.3	7.8	213.0	12.7	6.9	10.7	299.5	321.5	8.1	89.8	3. 4	17,
6.5	23.9	2077.9	800.0	6.5	5.5	213.8	12.8.	7.1	10.6	299.0	318.4	7.1	93.2	4.1	20.
7.4	26. 1	2336.3	775.0	5-1	4.1	218.6	13.3	8.3	10.4	300.2	318.6	6.7	93•1	4.8	22.
8.3	28.7	2604.8	750.0	2.4	1.5	227.2	13.9		9 • 5	300.0	315.8	. 5.7	93.8	5.5	25.
9.1	31.2	2877.9	725.0	-0.9	-19.8	239.0	13.8	11.9	7.1	298.7	303.8	1.8	36.2	6∙ 0	27.
9.9	33. 9	3159.7	700=0	1.6	-28.8	261.2	1.3.7	13.6	2 • 1	304.5	306.2	0.5	8.6	6.7	32.
11.0	36.3	3452.4	675.0	0.1	-5.4	278.5	15.3	15.2	-2.3	306.3	317.4	3.8	6.6 • 4	7 • 1	39.
12.3	39.0	3753.8	650.0	-1.6	-2.2	283.6	16.1	15.5	-3.8	307.8	322.3	5.0	95.2	7• E	47.
13.5	41.6	4066.1	625.0	-2.9	-4.0	286.8	15.0	14.3	-4.3	309.7	323.1	4.6	91.9	8. 4	53.
14.7	44.4	4389.1	600.0	-4.3	-6.6	266.2	15.3	14.7	-4.3	311.6	323.2	3.9	83.9	9• 0	59.
15.7	47.3	4724.5	575.0	-5.5	-10.4	260.3	15.4	15.2	-2.8	313.9	323.1	3.0	68.3	9• 8	63.
16.9	50.2	5071.8	550.0	-8.0	-12.3	270.1	15.1	15.1	-0.0	314.9	323.2	2.7	71.5	10.7	66.
18.1	52.1	5432.0	525.0	-10.4	-12.6	276.4	14.2	14-1	-1.6	316.2	324.8	2.8	83.6	11.7	68.
19.4	55.9	5807.9	500.0	-11.4	-14.6	283.3	13.4	13.0	-3.1	319.4	327.1	2 • 5	77.1	12.7	71.
20.8	59. 1	6199.5	475.0	-14.1	-17.9	282.7	15.5	15è1	- 3. 4	320.7	327.1	2.0	72.6	13.6	73.
22.2	62.4	660E.3	450.0	-16.6	-20.4	285.8	18.5	17.8	-5.0	322.5	328.0	1.7	72.3	14. 8	76.
23.6	65.8	7035.7	425.0	-19.5	-22.7	278.7	17.1	16.9	-2.6	324.0	328.8	1.4	75.7	16.2	79.
25.2	69.1	7483.8	400.0	-22.4	-25.9	274.1	18.8	18.8	-1.4	326.0	329.9	1.2	73.1	17.7	80.
26 - 7	72.6	7954.8	375.0	-26.3	-30.0	283.1	23.4	22.8	-5.3	326.8	329.7	0.8	70.4	19.6	82.
28.3	76.3	8450.2	350.0	-29.9	-34.0	284.3	25.2	24.4	-6.2	328.5	330.6	0.6	66.6	21.9	84.
30-0	60. I	8973.9	325.0	-34.1	-38.8	280.6	24.4	24.0	-4.5	329.6	331 • 1	0.4	61.7	24.2	86.
31.8	64.2	9528.4	300.0	-39.0	99.9	277.1	23.8	23.7	-3.0	330.3	999.9	99.9	999.9	26. 7	87.
33+8	88.3	10118.2	275.0	-44.7	99.9	279.3	26.6	26.3	-4.3	330.5	999.9	99.9	999.9	29. 7	88.
36.0	92.9	10748-1	250.0	-50.2	99.9	283.4	30 - 1	29.3	-7.0	331.4	599 <b>.</b> 9	99.9	999.9	33.4	90.
38.2	97.4	11427.2	225.0	-55.6	99.9	290.1	32.3	30.3	-11.1	333.3	999.9	99.9	999•9	37⊕5	91.
41.0	102.4	12171-1	200.0	-59.3	99.9	296.2	37-1	33.3	-16.4	338∙€	999.9	99.9	999.9	43.3	95.
43.9	100.0	12997.9	175.0	-63.2	99.9	295.2	31.3	28.3	-13.3	345.7	999.9	99.9	999.9	48.7	97.
47.6	114.0	13959.3	150.0	-58.7	59.9	266.1	33.9	32.6	-9.4	369.0	999•9	99.9	999.9	56.1	99.
51.5	120.5	-15096.8	125.0	-63.0	99.9	284.5	28.8	27.9	-7.2	380.9	999.9	99.9	999•9	63.5	100.
55.7	127.8	16462.4	100.0	-66.4	99.9	303.8	14.4	12.0	-8.0	399.6	999.9	99.9	999.9	69.1	101.
61.7	136.0	18168.4	75.0	-67-1	59.9	306e3	10.0	8.1	-5.9	432.2	999.9	99.9	999•9	74.5	102.
69.9	142.7	20655.2	50.0	-62.2	<b>99.9</b>	16.5	3.0	-0.8	-2.8	497.0	999.9	99.9	999.9	77.0	103.
84.8	152.3	25058.0	25.0	-52.8	99.9	323.9	7.3	4.3	-5.9	633.2	999.9	99.9	999.9	80.0	104.

<sup>\*</sup> PY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSHORE. NO.

23 APRIL 1975 2315 GMT

141 61. 0 TIME CNTCT HEIGHT PRES TEMP CEW PT DIR SPEED U CONP V CCMP POT T E POT T MX RTO RH RANGE AZ GPM MB DG C DG C CG 4/SEC M/SEC M/SEC DG K DG K GM/KG PCT ng MIN 275.0 989.6 22.8 11.8 200.0 7.7 2.6 7.2 298.0 321.8 8.9 50.0 0.0 0. 0.0 7.2 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 975.0 21.4 208.2 10.2 297.5 314.6 6.2 38.1 0.3 25. 6.5 11.5 . 5.4 0.5 e. 6 404.2 209.5 297.8 315.0 41.9 0.8 27. 628.3 950.0 19.5 12.9 11.3 6.3 1.2 1 C. 8 6.2 6.4 13.3 257.0 925.0 17.4 5.7 213.3 14.2 7.8 11.9 298.0 315.0 6.2 46.1 1,5 29. 2.0 213.3 297.7 315.7 55.8 2.2 30. 2.9 15.7 1090-1 900.0 14.9 6.1 16.0 8.8 13.4 6.6 18.1 1327.8 875.0 12.7 5.5 214.4 16.7 9.5 13.8 297.8 315.5 6.5 61.4 2.9 31. 3.5 219.9 10.8 12.9 297.9 315.5 6.4 68.7 3. 7 32. 4.3 2C. 5 157C.5 850.0 10.4 4.9 16.8 5.9 72.5 3.2 23.1 1818.2 825.0 8.0 3.4 224.2 17.6 12.3 12.6 297.9 314.2 4.6 34. 76.1 36. 298.2 313.5 5.5 2071.7 800.0 5.9 2.0 226.6 18.6 13.5 12.8 5.6 6.0 25.6 5.2 7749 39. 298.9 313.4 7.0 28.2 2331.2 775.0 4.2 G . 7 236.7 17.8 14.9 9.8 6.4 15.9 302.1 309.3 2.1 29.6 7.3 41-7.9 30.9 2598.0 750.0 4 . B -12.0 242.8 17.9 6.2 309.5 24.8 8.7 33. 7 2874.3 725.0 4.1 -14.2 241.4 17.7 15.6 e. 5 304.2 1.8 8.2 44. 309.B 9.0 3158.3 70.0 . 0 1.9 -15.6 237.8 17.3 14.6 9.2 304.8 1.6 25.9 45. 9.5 36.3 309.8 9.9 14.7 305.5 24.8 46. 10.4 39. 3 3450.4 675.0 -0.2 -17.9 240.9 16.8 8.2 1.4 309.4 249.7 17.3 306.0 1.1 22.9 10.7 48. 11.3 42.0 3750.9 650.0 -2.7 -21.0 16.3 6.0 255.8 306.9 308.7 0.6 13.3 11.7 50. 12.2 45.0 4060.3 625.0 -4.9 -28.8 17.9 17.4 4-4 308.2 17.1 309.2 0.3 7-4 12.6 52. 13.2 49.1 4380e1 600.0 -6.B -36.3 264.7 17.2 1. 6 310.9 316.5 48.9 13.6 55. 14.3 51.1 4711.2 575.0 -7.9 -16.9 269.2 19.0 19.0 0.3 1.8 -407 314.9 325.8 3.6 95.4 15.0 60-5057.5 550.0 -8.1 -8.7 281.4 23.7 23.3 15.7 54.4 16.1 92.8 53. 57.5 5418.1 525.0 -10.2 -11.1 287.1 25.6 24.4 -7.5 316.6 326.2 3. 1 16.7 2.7 97.5 292.6 -9.7 317.2 325.5 17.2 67. 17.8 60.9 5792.3 500.0 -13.3 -13.6 25.1 23.2 326.5 98.7 71. 2.4 18.4 18.5 F4.5 6182.1 475.0 -15.5 -15.7 293.5 25.4 23.3 -10-1 319.0 74. 20.0 67.9 6588.9 450.0 -17.9 -18.3 293.9 24.5 22.4 -9.9 320.9 327.3 2.0 96.4 19.7 77. 71.4 7014.1 42520 -20.9 -24.4 286.1 25.8 24.8 -7·1 322.3 326.5 1.2 72.9 21.2 21.3 323.6 55.2 23.3 AD. 22.6 75.3 7459.3 400.0 -24.2 -30.6 281.0 24.5 24.1 -4.7 326.2 0.7 24.8 aı. 7927-1 375.0 -27.4 -30.8 282.4 19.0 18.6 -4-1 325.4 328. £ 0.8 72.4 24.0 75.5 0.5 26.3 82. 326.€ 328.6 64.4 25. 3 83.4 8420.5 350.0 -31.1 ~35.6 276.9 21.7 21.5 -2.6 28.0 33. 8941.5 325.0 -35.5 -39.3 274.2 23.1 23.0 -1.7 327.€ 329.2 0.4 67.5 26.6 87.6 99.9 999.9 29.8 84. 328.6 999.9 28.0 92.2 9493.5 300.0 -40.2 99.9 281.1 20.7 20.3 -4.0 99.9 999.9 32.1 85. 29.6 10079.8 275.0 -45.6 9949 283.4 27.2 26.4 -6.3 329.2 999.9 96. B 999.9 37. 330.6 999.9 99.9 34.7 31.3 101.8 10707.9 250.0 -50.8 99.9 283.1 28.7 28.0 -6.5 331.1 999.9 99.9 999.9 37.5 88. 33.0 107.4 11384-1 225.0 -57.0 99.9 272.6 30.4 30.4 -1.4 999.9 88. 34.8 113.0 12119.7 200.0 -61.8 99.9 288.3 34.1 32.4 -10.7 334.9 999.9 99.9 41.2 295.0 35.6 32.3 -15.1 344.2 999.9 99.9 999.9 45.2 91. 37.0 119.3 12942.2 175.0 -64.1 99.9 999.9 99.9 999.9 50.4 94. 39.6 126.0 13902.9 150.0 -57.5 99.9 258.8 39.2 34.4 -18.9 371.1 999.9 99.9 999.9 57•5 98. 306.5 31.3 25.2 -18.6 384.8 43.3 133.7 15049.3 125.0 -60.9 99.9 99.9 999.9 63.3 100. 26.6 393.9 999.9 47.6 141-0 16406.7 100.0 -69.3 99.9 293.0 28.9 -11.3 99.9 999.9 999. 999.9 999.9 99.9 99.9 99.9 99.9 99.9 99.9 95.9 99.9 75.0 99.9 99.9 99.9 999.9 999.9 999. 99.9 999.9 99.9 99.9 99.9 50.0 99.9 99.9 99.9 99.9 99.9 99.9

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<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 327 NASHVILLE. TENN

### 23 APRIL 1975 2315 GMT

GMT 149 30. 0

٠.	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GPM	MB	DG C	rg 'c	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	G4/KG	PCT	KY	DG	
, i			<del></del>									-					
	0.0	5.2	180.0	995.7	22.5	14.9	180.0	3.6	0.0	3.6	297.5	326.0	10.8	62.0	0.0	0.	r
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
	0.5	6.5	363.4	975.0	22.5	13.9	191.3	9.8	1.9	9.6	299.2	326.9	10.4	58•4	. O. 3	4.	Ι.,
	1.4	€.5	589-1	950.0	21.0	12.9	199.9	12.1	4.1	11.4	299.9	326.4	9.9	59.6	0.9	11.	1
	2.1	10.5	819.6	925.0	19.0	12.0	203.3	14.8	5.9	13.6	300.0	325.8	9.6	63.9	1.4	15.	
	2.9	12.4	1054.4	900.0	16.9	11.1	206.4	17.2	7.7	15.4	300.2	325.2	9.3	68.5	2.2	19.	,
	3.6	14.5	1294.2	875.0	14.6	10.5	208.2	20.1	9.5	17.7	300.2	325.0	9.2	76.4	3.0	21.	
	4.5	16.4	1539.0	850.0	12.8	10.7	219.3	20.7	13.1	16.0	300.8	326.7	9.6	87.0	4.0	24.	
	5.2	18.6	1789.6	825.0	11.2	8.9	236.0	22.3	18.5	12.5	301.6	325.4	8.7	85.7	4.9		
*	6.0	20.7	2046.6	800.0	10.2	5.7	249.6	22.9	21.4	8,0	303.0	323.0	7.2	73.8	5.7	34.	
	6.8	. 23.0	2310.6	775.0	9.6	2.9	252.4	22.7	21.7	6.9	304.9	322.1	6.1	62.9	6.7	41.	
	7.8	25.2	2582.0	750.0	701	1.8	252.3	22.5'	21.4	6.9	305.0	321.5	. 5.8	68.9	7.9	46.	٠.
	8.9	27.4	2860.2	725.0	5.1	1.5	253.0	21.1	20.2	6.2	305.8	322.6	5.9	77.9	9. 3	50.	r
	10.0	29.8	3146.1	700.0	3.1	-2.6	255.9	18.7	18.1	4 • 5	306.5	319.7	4.5	66.1	10.4		
	11.0	32.3	3440.5	675.0	1.8	-3.1	265.3	16.7	16.7	1.4	308.2	321 • 4	4.5	70.4	11.4	55.	
	12.2	34.9	3744.1	650.0	-0.5	-0.8	279.3	17.4	17.2	-2.8	309.1	325.2	5.6	97.8	12.3	5 ۥ	- 1
	13.2	37.2	4057+5	625.0	-2.1	-2.8	283.3	18.4	17.9	-4.2	310.6	325.3	5.0	95.6	13.1	62.	
	14.2	39.9	8.08E#	600.0	-4.7	-8.0	282.1	20.4	20.0	-4.3	311.1	321.6	3. 5	77.8	14.0	65.	
	15.1	42.3	4715.5	575.0	-5.9	-10.7	262.0	21.2	20.8	-4.4	313.4	322.4	2.9	69.0	14.9	64.	ı
-	16.3	45.1	5062.3	550.0	-8.3	-12.5	267.9	21.3	20.2	-6.5	314.5	322.7	2.7	71.7	16.2	71.	i.
	17.5	47.9	5422.2	525.0	-10-3	-21.0	286.3	23.6	22.7	-6.7	316.2	320.6	1.4	41.4	17.5	74.	
	10.5	50.7	5796.2	500.0	-13.3	-25.4	281.2	24.6	24.1	-4.8	316.9	320 • 1	1.0	35.2	19.1	77.	,
	20.2	53.8	61 94.9	475.0	-15.4	-30.3	277.8	24.9	24.7	-3.4	318.9	321.1	0.6	26.3	21.1	79.	,
	21.7	56.5	6590.7	450.0	-18.7	-23.6	272.5	22.7	22.7	-1.0	319.9	324.1	1.3	67-1	23. 1	81.	,
	23.1	59.9	7014.9	425.0	-21.2	-45.0	270.1	24.5	24.5	-0.0	321.8	322.4	0.2	9.9	25.2	81.	E
	24.6	63.3	7459-1	400.0	-24.8	-56.1	277.8	21.5	21.3	-2.9	322.7	322.9	0.0	3.6	27. 1	82.	
	26.3	66.6	7925.3	375.0	-28.2	-57.8	269.9	26.9	26.9	0.0	324.2	324.4	0.0	4.0	29.6	83.	,
	27.9	70-1	8416-7	350.0	-31.5	-59.5	269.2	28.6	28.6	0.4	326.2	326 • 3	0.0	4.4	32. 1	84.	j
	29.7	73.8	8937.0	325.0	-35.6	-61.7	274-1	26.9	26.8	-1.9	327.6	327.7	0.0	4.9	35. 2	84.	ı,
	31.7	77-8	9489+0	300.0	-39.8	99.9	276.3	27.2	27.1	-3.0	329.2	999.9	99.9	999.9	38.4	85.	
	33.7	81.6	10077.9	275.0	-44.5	99.9	271.1	33.3	33.3	-0.6	330.€	999.9	99.9	999.9	42.0	86.	i.
	35.9	86.0	10709.7	250.0	-49-1	99.9	271.0	30.2	30.2	-0.5	333.1	999.9	99.9	999.9	46.2	86.	ı
	38.1	90.8	11392.2	225.0	-55.0	99.9	271.5	35.2	35+2	-0.9	334.2	599 <b>.</b> 9	99.9	999.9	50.2	87.	,
	40.6	95.8	12134.2	200.0	-60.4	99.9	272.9	39.4	39.4	-2.0	337.2	999.9	99.9	999 <b>.</b> 9	55.9	87.	r ·
	43.5	101.3	12959.5	175.0	-63.6	99.9	275.9	45.6	45.4	-4.7	345.0	999 • 9	99.9	999.9	63.2	86.	į.
	46.8	107.5	13927.1	150.0	-57.0	99.9	272.6	40.5	40.5	-1.8	371.9	999.9	99.9	999.9	71.3	89.	ı
	50.9	114.5	15075.2	125.0	-60.2	99.9	. 275.0	39.5*	39.3	-3.4	386.0	999.9	99.9	999.9	80.9	90.	,
	55.3	122-5	16450+7	100.0	-66.2	99.9	284.7	15.3*	14.8	-3.9	399.6	999•9	99.9	999.9	88.0	91.	ı
	61.0	132.0	18177.0	75.0	-64.6	99.9	300.3	14-7	12.7	-7.4	437.5	999 <b>.9</b>	99.9	999.9	93. 1	91.	
	69.4	143.0	20685.8	50.0	-59.8	99.9	222.2	4.4	2.9	3.2	502.7	999.9	99.9	999.9	94.7		
	99.9	99.9	99.9	- 25.0	99.9	99.9.	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	9990	,

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

<sup>.</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE RUCK. ARK

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	are the little of															
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GFN	MB	DG C	DG C	DG	M/SEC	M/SEC	. M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.6	79.0	1004.4	25.5	16.6	200.0	4.6	1.6	4.3	299.9	331 • 8	12.0	58.0	0.0	0.	
0.2	6.0	117.7	1000.0	25.8	16.2	194.9	13.1	3.3	12.6	300.6	331 • 8	11.7	55.2	0.3	13.	
1.0	8.2	340.3	975.0	23.9	15.5	196.1	11.8	3.3	11.3	300.8	331 • 4	11.4	59.0	0.6	14.	
1.9	10.4	567.0	950.0	21.5	14.8	198.2	11.2	3.5	10.6	300.5	330 • 7	11.2	65.6	1.2	16.	
2.5	12.5	797-8	925.0	19.3	14.3	202.9	11.3	4.4	10.4	300.6	330.6	11.2	72.8	1.8	17.	
3.6	14.8	1033.0	900.0	17.0	13.6	212.1	9.8	5.2	8.3	300.5	329.9	10.9	80.2	2.4	1 9.	
4.5	17.0	1273.0	875.0	14.6	13.1	221.6	11.2	7.4	8.4	360.4	329.8	10.9	96.9	2. 9	23.	
5.4	19.3	1518.1	850.0	12.8	10.6	226.9	11.9	8.7	8. 1	300.8	326.5	9.5	86.4	3.4	27.	
6.6	21.5	1768.9	825.0	11.5	10.2	228.9	15.3	11.6	10.1	302.0	327.9	9.5	91.7	4.4	31.	
7.8	24.1	2026.4	800.0	10.3	9.0	244.6	15.8	14.2	6.8	303.3	328.2	9.1	91.9	. 5.4	36.	
9.1	26.4	2291.0	775.0	9.2	8.0	242.2	19.3	17.0	9.0	304.9	329.0	8. 7	91.9	6.6	42.	
9.9	29.0	2562.5	750.0	7.6	6.3	241.6	19.9	17.5	9.5	305.9	328.3	8.1	91.8	7. 6	44.	
10.8	31.6	2842.0	725.0	6.2	5.0	243.0	18.1	16.1	8.2	307.2	328.6	7.6	92.0	8.6	46.	
11.8	34.3	3129.3	700.0	3.9	-5.3	245.3	19.4	17.6	8.1	307.3	318.1	3.7	51.1	9.6	48.	
12.6	36.8	3426.8	675.0	7-1	-6.0	250.0	18.7	17.6	6.4	314.0	324.9	3.€	38.8	10.5	5.0	
13.5	39.7	3735.9	650.0	4.6	-9.9	253.1	15.4	14.7	4.5	314.5	323.0	2.8	36.1	11.4	52.	
14.6	42.3	4054.0	625.0	1.8	-6.8	252.8	14.7	14.1	4.4	315.0	326.1	3.7	52.6	12.2	53.	
15.7	45.2	4381.5	600.0	-1.2	-6.1	248.4	15.9	14.7	5.8	315.1	325.7	3 • 5	59.5	13.2	55.	
16.9	48.3	4719.6	575.0	-3.8	-12.2	247.0	15.7	14.5	6. 2	315.9	324.0	2.6	51.7	14.3	56.	
19,1	51.1	5069.3	550.C	-6.0	-21.1	249.7	18.9	17.7	6.6	317.1	321.3	1.3	29.6	15.5	57.	
19.3	54.3	5431.6	525.0	-8.9	-22.6	258.4	20.3	19.9	4-1	317.8	321.7	1.2	31.9	16.9	58.	
20.5	57.4	5807.4	500.0	-12.1	-28.2	262.9	21.7	21.5	2.7	318.3	320.8	0.8	25.1	18.3	50.	
21.9	60.7	6196.9	475.0	-16.1	-27.7	266.0	23.5	23.5	1.6	318.1	320.9	0.8	35.9	20.1	62.	
23.3	64.1	6601.5	450.0	-19+0	-62.0	267.4	23.9	23.9	1.1	319.3	319.4	0.0	1.0	21.9	64.	
24.7	67.5	7025.3	425.0	-21.5	-63.6	271.3	25.2	25.2	-0.6	321.3	321.4	0.0	1.0	23.8	66.	
26.3	71.0	7469.6	400.0	-24.3	-65.4	270.4	27.3	27.3	-0.2	323.4	323.4	G • O	1.0	26.0	69.	
28.0	75 0	7936.9	375.0	-27.4	-67.5	265.5	28.4	28.3	2.2	325.2	325.3	0.0	1.0	28.6	70.	
29.5	79.0	8430.2	350.0	-31.1	-69.9	263.6	29.6	29.4	3. 3	326.7	326.8	0.0	1.0	31.3	72.	
31.1	83.0	8951.8	325.0	-35.0	-72.5	262.3	29.5	29.3	4.0	328.3	328.3	0.0	1.0	34.2	7:30	
32.9	87.2	9504.7	300.0	-39.8	99.9	263.4	29.8	29.6	3.4	329.2	<b>999.9</b>	99.9	999.9	37.2	73.	
34.9	92.0	10092.6	275.0	-45.2	99.9	267.4	33.4	33.4	1.5	329.8	999.9	99.9	999.9	41.0	75.	
37.2	96.6	10724.7	250.0	-48.8	99.9	267.7	34.5	34.5	1.4	333.5	999.9	99.9	999.9	45.5	76.	
39.7	101.8	11409.B	225.0	-53.7	99.9	267.4	43.8	43.8	2.0	335.3	999.9	99.9	999.9	51.5	77.	
42.3	107-5	12157.4	200.0	-59.7	99.9	264.1	49.0	48.8	5.1	338.3	999.9	99.9	999.9	58. 6	78.	
45.4	113.5	12985.1	175.C	-62.0	99.9	267.7	47.7	47.7	1.9	347.7	999.9	99.9	999.9	67•5	79.	
49.2	120.0	13943.9	150.0	-58.6	99.9	265.4	44.2*	44.1	3.6	369.2	999.9	99.9	999.9	77.4	80.	
53.0	127.3	15090.2	125.0	-60.2	99+9	257.5	23.0*	22.4	5.0	386.0	999.9	99.9	999.9	85•2	81.	
57.6	135+3	1646G.7	100.0	-65.2	99.9	268.8	23.5*	23.5	0.5	401.7	999.9	99.9	999•9	91.7	81.	
63.2	143.3	18189.0	75.0	-71.0	99.9	261.0	13.3	13.2	2.1	424e2	999.9	99.9	999•9	96• 2	81.	
71.2	152.0	20675.3	50.0	-58.6	99.9	277.4	8.9	8.8	-1.1	505.5	999.9	99.9	999.9	99.4	81.	
83.7	161.0	25117.4	25.0	-50.7	99.9	319.0	9+2	6.0	- E. 9	639.0	999.9	99.9	999.9	103.3	82.	
11 To 10																

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349 MONETTE. MO

23 APRIL 1975

2315 GMT

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN	CRICI	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
		•		<b>73 4</b>	00, 0			*** OE C		55					
0.0	8.3	438.0	959.0	22.8	17.5	210.0	9.3	4.6	8.1	301.3	336.7	13.3	72.0	0.0	0.
99.9		99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	59 <b>.</b> 9	999.9	999. 9	999.
99.9		99.9	975.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	999.
0.3		520.2	950.0	21.5	16.2	206.2	14.3	6.3	12.9	300.7	233.6	12.3	71.9	0.5	26.
1.2	11.1	751.4	925.0	19.5	15.4	210.7	15.5	7.9	13.3	360.8	332.9	12.0	77.2	1.2	27.
1.9		987.2	900.0	17.5	15.1	213.3	1000	8.8	13.3	301.2	333.7	12.1	85.9	1.8	29.
2.5		1227.8	875.0	15.2	13.8	214.6	17.1	9.7	14.1	301.1	331.8	11.4	91.4	2.4	3¢.
3.3		1474.1	850.0	15.3	12.0	222.2	17.9	12.0	13.3	303.6	332.1	10.5	80.7	3. 2	. 32.
4.2		1727.6	825.0	14.9	9.8	225.7	17.2	12.3	12.1	305.6	231.3	9.3	71.5	4.2	35.
5.2	22.2	1987.7	800.0	12.8	8.1	226.1	19.1.	13.7	13.2	305.9	329.7	8. 5	73.2	5. 2	37.
6.0	24.7	2254.2	775.0	10.8	6.0	229.4	15.4	11.7	10.0	306.5	327.9	7.6	72.3	6.1	39.
6.9	27.0	2527.5	750.0	9.6	2.0	224.1	13.5 '	9.4	9.7	307.8	324 . 8	5.9	59.2	6.7	4.0 .
7.7		2808.3	725.0	8 • 2	-1.2	215.3	11.2	6.5	9.1	309.0	323.1	4.8	51.6	7. 4	40.
8.7		3097-2	700.0	5.5	-5.7	212.7	9.2	5.0	7.7	309.0	319.6	3.6	44.3	8.0	39.
9.8	34.7	3393.6	675.0	3-1	-9-1	213.8	10.4	5.8	8.6	309.5	318.0	2.8	40.2	8.6	39.
11.1		3698.9	650.0	2.0	-10.6	220.5	14.5	9.4	11.0	311.6	319.5	2.6	36.4	9. 5	38.
12.1		4014.4	625.0	0.1	-12.3	234.1	18-1	14.7	10.6	312.8	320.2	2.4	38.8	10.6	39.
13. 2		4340.3	600.0	-2.6	-6.8	246.2	19.5	17.8	7. 9	313.6	325.1	3.8	72.5	11.7	
14.4		4676.4	575.0	-5.7	-10.2	253.8	19.6	18.8	5.5	313.7	323.0	3.1	70-1	13.0	45.
15.6		5023.2	550.0	-8.9	-12-1	252.5	20.8	19.9	6.3	313.8	322.4	2.8	78.3	14.2	47.
16.5		5381.5	525.0	-11.8	-15.3	254.1	22.0	21.2	6.0	314.5	321.4	2.2	74.9	15.7	50.
18.1		5752.8	500.0	-15.4	-22.1	999.9	99.9	99.9	99.9	314.4	318.6	1.3	56.8	999.9	999.
19.3		6138.6	475.0	-17.3	-26.8	999.9	99.9	99.9	99.9	316.7	319.7	0.9	44.4	999.9	999.
99.9		99.9	450.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.
99.0	·	99.9	425.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9		99.9	400.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	979. 9	975.
59.9		99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9		99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	599.9	99.9	999.9	999. 9	
99.9		99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9		99.9	300.0	95.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9		59.9	275.0	99.9	99.9	99.9	99•9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9		99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9		99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9		99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	599.9	99.9	999.9	999.9	
99.9		99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9		99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9		59.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9		99.9	100.0	99.9	99.9	69.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9		99.9	75.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	
99.9		99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9		99.9	25.0	99.9	99.9		99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
2202	778 7	7787	2300	7787	7777	. 7707	7707	7707	7707	7707	77797	2562	77797	77707	

<sup>\*</sup> PY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363 AMARILLO. TEX

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN	CNICI	GPM	MB	CG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
		<b>UP</b> -10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				mr 425			55					:	
0.0	14.2	1095.0	882.8	26.7	1.9	230.0	8.3	6.4	5.3	311.4	326.1	5.0	20.0	0.0	G.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999 <b>.</b> 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	59.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
59.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.	
0.3	14.8	1173.0	875.0	25.5	-2.8	235.2	10.0	8.2	5.7	310.8	321.6	3.6	15.4	0.2	39.	
1.2	16.9	1425.9	850.0	22.7	-5.4	235.2	10.3	8.5	5.9	310.3	319.4	3.0	14.8	0.7	53.	
2.3	15.0	1683.8	825.0	20.2	-6.3	235.6	9.4	7.8	5. 3	310.3	319.1	2.9	16.2	1 • 4	54.	
3.3	21.0	1947.6	800.0	17.6	-7.8	244.2	9•9	8.9	4.3	310.3	318.4	2.7	16.9	1.9	56.	
4.4	23.3	2217.2	775.0	14.9	-9.0	247.1	11-1	10.2	4.3	310.2	317.8	2.5	18.2	2.6	še.	
5.7	- 25.5	2493.0	75C.O	12.0	-10.2	247.4	10.9	10.1	4.2	309.9	317.0	2.3	20.0	3.4	61.	
7.0	27.8	2775.2	725.0	9.3	-11.2	246.1	11.8	10.8	4.8	310.0	316.8	2.2	22.1	4.3	52.	
8.3	30.2	3064.5	700.0	6.6	-11.9	244.5	1,0.4	9.4	4.5	310.0	316.7	2.2	25.3	5.1	52 <sub>e</sub>	
9.5	32.7	3351.6	675.0	4.1	-12.3	251.4	12.5	11.8	4.0	310.5	317.3	2.2	29.1	6. 0	63.	
10-5	35.3	3666.8	650.0	1.1	-13.7	253.9	13.5	12.9	3.7	310.4	316.8	2.0	32.2	7.0	65.	
12.1	27.7	3980.8	625.0	-1.5	-16.4	251.9	14.7	13.9	4. 6	310.9	316.2	1.7	31.1	8.0	66.	
13.2	4C+ 3	4305.1	600.0	-2.4	-23.2	243.5	19.8	17.7	8.9	313.5	316.7	1.0	18.7	9. 2	56.	
14.3	42.9	4642.7	575.0	-2.1	-29.5	237.8	24.0	20.4	12.8	317.6	319.5	0.6	10.0	10.6	55.	
15.4	45.7	4994.1	550.0	-5.1	-30.5	237.7	22.2	18.8	11.9	318.1	320.0	0.5	11.5	12-1	64.	
16.5	48.6	5357.4	525.0	-8.3	-31.0	241.1	19.9	17.4	9.6	318.5	320.4	0.5	14.0	13.6	64.	
17.8	51.4	5733.7	500.0	-11.6	-31.8	247.5	21.0	19.4	8.0	319.0	320.8	0.5	16.7	15.1	54.	
19.1	54.4	6124.6	475.0	-14.7	-32.9	248.8	22.1	20.6	8.0	319∙€	321.6	0.5	19.3	16.8	54.	
20.5	57.4	6531.3	450.0	-18.3	-32.6	251.7	23.2	22.0	7.3	320.2	322.1	0.5	27.0	16.7	65.	
21.9	60.7	6955.0	425.0	-22.2	-35.1	250.9	24.8	23.5	8.1	320.5	322.1	0.4	29.8	20.7	66.	
23. 3	64.1	7397.2	400.0	-25.9	-39.8	248.6	26.9	25.1	9.8	321.3	322.4	0.3	25.6	22. 6	66.	
24.6	67.4	7861.7	375.0	-29.4	-43.1	248.5	29.8	27.7	10.9	322.6	323.4	0.2	25.1	25.1	66.	
26.2	71.0	8350.1	350.0	-33.3	-46.6	244.3	34.2	30.9	14.9	323.6	324.4	0.2	24.6	28.1	66.	
28.0	74.8	8867.9	325.0	-35.8	-50.1	242.9	33.7	30.0	15.3	327.2	327.7	0.1	21.3	31.7	66.	
29.9	79.0	9419.7	330.0	-39.8	-53.6	244.7	41.0	37.1	17.5	329.2	329.5	0 • 1	21.1	30-1	66.	
31.8	63.0	10008.9	275.0	-44.5	99.0	233.5	36.9	33.0	16.5	330.8	999.9	99.9	999.9	40.6	65.	
33.7	87.4	10639.8	250.0	-50-1	99.9	244.2	38.7	34.6	16.8	331.6	999.9	99.9	999.9	45.8	65.	
35.8	92.4	11320.6	225.0	-55.0	99.9	246.0	52.6	48.0	21.4	334.2	999.9	99.9	999.9	50.4	65.	
39.1	97.4	12066.3	200.0	-58.4	99.9	247.3	30.4	28.1	11.7	340.3	999.9	99.9	999.9	55.6	65.	
40.4	103.0	12907.2	175.0	-56.9	99.9	248.2	45.8	42.6	17.0	356.0	999.9	99.9	999.9	62.4	65.	
43-1	109-5	13882.0	150.0	-57.9	99.9	258.4	28.7	26.2	5.8	370.4	999.9	99.9	999.9	68.2	66.	
46.8	116.3	15030.5	125.0	-58.6	99.9	242.4	45.4*	40.2	21.0	388.8	999.9	99.9	999.9	76.0	66.	
50.7	125-0	16417-1	100.0	-63.0	99.9	259.1	39.8*	39.1	7.5	405.9	999.9	99.9	999.9	84.4	67.	
55.4	135.0	15180.8	75.0	-67-1	99.9	232.0	19.5	15.4	12.0	432.1	999.9	99.9	999.9	91.1	67.	
62.6	145.7	20707.9	50.0	-54.9	99.9	259.3	10.2	10.0	1.9	514+1	999.9	99.9	999.9	92.9	67.	
74.4	158.5	25186.1	25.0	-51.4	99.9	243.8	14.2	12.7	6.3	637.2	999.9	99.9	999.9	98• 4	67.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 CEG

STATION NO. 402 WALLOPS ISLAND. VA

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DGK	DG K	GM/KG	PCT	KM	DG
0.0	4.4	4.0	1020.5	13.3	9.9	999.9	99.9	99.9	99.9	285.8	305.2	7.6	80.0	999.9	999.
0.7	5. 9	17645	1000.0	20.4	10.0	999.9	99.9	99.9	99.9	294.6	315.2	7.7	51.5	999.9 9	<b>399</b> •
1.4	€. 1	375.3	975.0	20.4	8.7	999.9	99.9	99.9	99.9	296.7	316.4	7.3	47.0	999.9 9	<del>3</del> 99•
2.1	10.2	619.1	950.0 `	18.7	8.0	995.9	99.9	99.9	99.9	297.1	316.4	7.1	49.7	999.9.9	399 <b>.</b>
2.9	12.3	847.2	925.0	16.7	7.4	999.9	99.9	99.9	99.9	297.3	316.3	7.0	54.2	999.9 9	399.
3.7	14.6	1080.0	900.0	14.6	6 · 8	99949	99.9	99.9	¢909	297.5	316.2	6.9	59 <b>.3</b>	999.9 9	<del>)</del> 99•
4.5	16-7	1317.4	875.0	12.3	6.2	999.9	99.9	99.9	99.9	297.5	316.0	6.8	66.4	999.9 9	)99 <b>.</b>
5.2	19.0	1559.8	850.b	10.2	5.9	999.9	99.9	99.9	99.9	297.7	316.5	6.9	75 <b>-</b> 1	999.9 9	399.
6.0	21-1	1807.8	825.0	8.2	6.2	999.9	99.9	99.9	99.9	298.2	317.9	7.2	87.0	999.9 9	
6.9	23.6	2061.6	800.0	6.1	4.3	999.9	99.9	99.9	99.9	298.5	316.4	6.5	87.9	999.9 9	
7.8	25. 7	2321.5	775.0	5.2	-3.9	999.9	99.9	99.9	99.9	299.9	310.5	3.7	51.9	999,99	
8.6	28.4	2588.4	750.0	3. 1	-7.6	999.9	99,9	99•9	99.9	360.3	308.7	2.9	45,3	999.9 9	
9.5	31.0	2861.9	725.0	0.9	-7·1	999.3	99.9	99.9	99.9	300.8	309.8	3, 1	55+1	999.9 9	
10.5	33.8	3143.0	700.0	-1.6	-6.8	999.9	. 99.9	99.9	99.5	301.1	310.6	3. 3	67.8	999.9	
11.4	36.2	3432.4	675.0	-2.4	-7.2	999•9	99.9	99.9	99.9	393.3	312.9	3.3	69.7	999.9 9	
12.3	39.0	3731.1	650.9	-4.3	-9.5	999.9	99.9	99.9	99.9	304,5	312.9	2.9	67.0	999.9 9	
13.2	41.6	4039.4	625.0	-6.2	-14.6	999.9	99.9	99.9	99.9	305.5	311.7	2.0	52.6	999.99	
14.2	44.5	4357.7	600.0	-7.9	-24,3	995.9	99.9	99.9	<b>69.9</b>	307.1	309.9	0.9	25.3	999.9 9	
15.3	47.6	4687.7	575.0	-9.4	-25.0	999.9	99.5	99.9	99. 9	309.1	311.9	0.9	26.7	999.9.9	
16.5	50.5	5030.3	550.0	-11.2	-26.0	999.9	99.9	99.9	99.9	310.9	313.6	0.8	28.1	999.9	
17.7	53.5	5385.4	525.0	-13.9	-27.0	995.9	99.9	99.9	99.9	311.8	314.4	0.8	31.9	999.9 9	-
18.9	36.6	5754.3	500.0	-16.3	-28.4	999,9	99.9	99.9	99.9	313.2	315.6	0.7	34.2	990.9	
20.1	59.9	6138.4	475.0	-18.5	-23.7	999.9	99.9	9929	<b>59.9</b>	315.1	319.0	1.2	63.6	954.9 9	
21.4	63.4	6540.8	450.0	-20.4	-22.6	999.9	99.9	94.9	95.9	317.7	322.2	1 . 4	82.1	999.9	
22.6	66.8	6961.6	425.0	-23.5	-25.8	999•9	99.9	99•9	99.9	318.9	322.5	1.1	81.0	999.9 9	
23.9	70.4	7404=5	400.0	-25.1	-26.9	999.9	99.9	99.9	99.9	322.4	325.9	1.0	84.8	999,9 9	
25.4	74.2	7870-1	375.0	-29.0	-30.6	999.9	99.9	99.9	99.9	323.3	326.0	0.8	85.9	999.9 9	<b>399</b> .
27.0	78.3	8360.0	350.0	-33.0	-34.7	999.9	99.9	99.9	99. 9	324.3	326.2	0.6	84.2	999.9 9	<del>9</del> 79•
20.5	<b>62.3</b>	8977.3	325.0	-37.1	-40.0	995.9	99.9	99.9	99.9	325.6	326.8	0.4	73.9	999.9 9	) · 9 ·
30.2	86.6	9425.0	300.0	-42.1	99.9	999.9	99.9	99.9	99 <b>.</b> 9	326.0	949.9	99.9	999.9	999.9 9	
32.0	51.2	10006.6	275.0	-47.4	99.9	999.9	99.9	99.9	99.9	326.5	997.9	99.5	994.9	999.5 5	
34.0	96.0	10628.2	250.0	-53·5	99.9	999•9	99.9	99.9	99.9	326.6	999.9	99.9	999.9	999.9 9	
36.1	101.3	11297.3	225.0	-58.9	99.9	999.9	99.9	99.9	99.9	328.3	999.9	99.9	999•9	999.9 9	300.
38. 3	107.0	12025.8	200.0	-65.4	99.9	999.9	99.9	99.9	99.9	329.3	999.9	99.9	999 <b>.</b> 9	999.9.9	
40.8	113-0	12840•9	175.0	-62.4	99.9	999.9	99.9	99.9	95.9	346.9	999.9	99•9	999.9	999.9 9	
43.6	119.7	13794.8	150.0	-62.2	99.9	999.4	99.9	99.9	99.9	363.0	959.9	99.9	999 <b>. 9</b>	999.99	
47.4	127.0	14928.3	125.0	-61.3	99.9	999.9	99.9	99.9	99.9	384.0	999.9	99.9	999.9	999.9 9	
51.9	135.0	16311.8	100.0	-64.0	99.9	999.9	99.9	99.9	99.9	404.1	999.9	99.9	999.9	999.9 9	
58.2	142.7	18068.3	75.0	-62.9	99.9	999.9	99.9	99.9	99 <b>.</b> 9	441.0	999.9	99.9	999.9	999.9	
99.9	59.9	e9.9	50.0	99.9	59.9	99.9	99.9	99•9	99. 9	99.9	999.9	99 • 9	999.9	999.9 9	
99.9	99.9	99.9	25.0	99.9	99.9	95.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9 9	<b>399</b> .

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG • BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED •• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 405 STERLING. VA

156 23. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.5	85.0	1007.3	19.4	8.4	100.0	3.1	-3.1	0.5	292.9	311.2	6.9	49.0	0.0	0.	
0.3	6.0	147.7	1000.0	20.6	8.8	145-1	7.5	-4.3	6.2	294.7	313.8	7.1	46.6	C • 2	315.	
1.2	6.2	366.3	975.0	19.7	7.8	165.4	8.2	-2.1	7.9	295.9	314.4	6.9	46.2	0. 5	325.	
2.0	10.5	590.0	950.0	19.2	0.1	185.7	11.8	1.2	11.8	297.7	317.1	7.2	48.3	0.9	343.	
2.9	12.6	818.5	925.0	17.1	7.5	194.2	13.9	3.4	13.5	297.7	316.8	7.0	53.1	1.6	355.	
3.8	15.0	1051.6	900.0	15.0	7.6	198.6	17.5	5.6	16.5	298.0	317.8	7.3	61.0	2.4	3∙	
4.7	17.1	1289.9	875.0;	13.2	7.3	203.2	17.6	7.0	16.2	298.5	318.6	7.4	67.4	3.4	8.	
5.7	19.6	1533.3	850.0	10.8	7.2	208.6	18.2	8.7	16.0	298.5	318.9	7.5	78.4	4.4	12.	
6.5	21.8	1781.6	825.0	8.6	7.0	215.5	17.5	10.2	14.3	298.7	319.4	7.6	8.9.4	5. 2	15.	
7.4	24.3	2035.6	800.0	7.1	0.2	227.8	17.8	13.2	12.0	299.3	312.9	4.9	61.3	6.0	19.	
8.3	. 26.7	2256.9	775.0	6.9	-6.2	235.6	17.5	14.5	9.9	301.6	310.6	3.1	38.6	6. 8		
9.3	. 29.3	2565.2	750.0	4.9	-7.9	239.9	18.2	15.7	9.1	302.2	310.4	2.8	38.9	7.7		
10.2	31.9	2840.5	725.0	2.3	-9.0	239.7	17.7	15.3	9.0	302.3	310.1	2.7	42.8	8. 5		
11-1	34. 6	3122.5	700.0	-0.7	-10.0	237.8	. 16.6	14.1	. 8. 3	302.0	309.6	2.6	49.3	9. 4		
11.8	37.1	3412.1	675.0	-2.9	-10.4	237-8	16.7	14.1	8.9	302.7	310.3	2.6	56•2	16.1	36.	
12.7	39.9	3709.8	650.0	-5.7	-10.4	238.1	17-1	14.5	9. 0	302.9	310.7	2.7	69.1	10.9		
13.5	42.6	4015.8	625.0	-8.7	-10.4	236.8	16.9	14.1	9.3	302.9	311.0	2.8	87.0	11.7	39.	
14.4	45.4	4331.8	600.0	-10-1	-11.1	234.8	17.2	14.0	9. 9	304.€	312.9	2.7	92.7	12.6	40.	
15.4	40.5	4659.9	575.0	-10.7	-11.5	237.9	18.7	15.8	9.9	307.€	316.1	2.8	94.0	13.6	41.	
16.5	51 - 3	5001+6	550.0	-11.6	-12.4	252.5	23.7	22.6	7.1	310.6	318.7	2.7	93.9	14.9	4 3a	
17.6	54. 4	5357.4	525.0	-13.1	-13.7	268.0	26.9	26.9	0.9	313.0	320.7	2.5	94.8	16.3	47.	
18.8	57.4	5728.6	500.0	-14.6	-15.3	278.6	27.3	27.0	-4.1	315.5	322.8	2. 3	93.9	17.7	51.	
20.0	60.7	6116.1	475.0	-16.6	-17.6	290.2	24.4	22.9	-8.4	317.6	324.0	2.0	92.4	18.9	56.	
21.2	64.1	6521.4	450.0	-18.7	-19.9	290.7	23.2	21.7	-8, 2	319.9	325.5	1.7	90.0	19.9	60.	
22.4	67.4	6945.6	425.0	-21.5	-23.2	288.3	25.4	24.1	-8.0	321.6	326.2	1.4	85.9	21.1	64.	
23.5	70.8	7389.9	400.0	-24.8	~26.7	293.3	25.9	23.8	-10.3	322.8	320.4	1.1	84.3	22.3	67.	
25.0	74.4	7856.7	375.0	-28.3	-30.2	297.6	28.2	25.0	-13.1	324-1	326.9	0.8	84.1	23.9	71.	
26.4	78.3	8347.6	350.0	-32.2	-34.4	298.5	25.6	22.5	-12.2	325.3	327.3	0.6	81.2	25. 5	75∙	
27.9	<b>62.3</b>	8866.2	325.0	-36.3	-38.9	291.8	27.5	25.6	-10.2	326.7	328.1	0.4	76.4	27.4	78.	
29.7	66.5	9415.8	300.0	-40.8	99.9	290.7	25.5	23.9	-9.0	327.9	999.9	99.9	999.9	29.6	91.	
31.5	90.7	10001.3	275.0	-46.2	99.9	290.2	29.1	27.3	-10.0	328.3	999.9	99.9	y99.9	32. 3	84.	
33.4	95.3	10626.5	250.0	-52.0	99.9	291.0	33.5	31.2	-12.0	328.€	999.9	99.9	999.9	35.5	86.	
35.6	100.2	11298.9	225.0	-58.4	99.9	287.1	39.6	37.9	-11.7	329.0	999.9	99.9	999.9	39. 8	89.	
38.0	105.3	12026.2	200.0	-65.2	99.9	288.7	37.5	35.5	-12.1	329.6	999.9	99.9	999.9	44.7	91.	
40.9	110.8	12839.8	175.0	-63.7	99.9	300.4	34.6	29.9	-17.5	344.8	999.9	99.9	999.9	51.7	94.	
44.4	117.0	13801.4	150.0	-59.4	99.9	294.2	33.1	30.2	-13.6	367.8	999.9	99.9	999.9	57.2	98.	
48.4	124.3	14948.8	125.0	-59.2	99.9	294.0	35.5	32.4	-14.4	387.9	999.9	99.9	999.9	65.2		
53.1	121.7	16331.7	100.0	-64.2	99.9	303.5	39.9	33.3	-53.0	403.7	999.9	99.9	999.9	73.9		
59.0	140.3	18094.4	75.0	-62.6	99.9	303.7	6.8	5.6	-3.8	441.6	999.9	99.9	999.9		104.	
67.2	149.3	20630.8	50.0	-58.0	99.9	307.3	7.5	6.0	-4.6	507.0	999.9	99.9	999.9		105.	
80.1	159.3	25059.1	25.0	-54-1	99.9	999.9	99.9	99.9	99.9	629.6	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEFF PEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 425 HUNTINGTON. WVA

### 23 APRIL 1975 2315 GMT

155 23. 0 CNTCT PRES TEMP DEW PT U COMP V CEMP POT T E POT T MX RTO RANGE TIME HEIGHT DIR SPEED DH A 7 GM/KG PCT KM DG GPM DG C M/SEC M/SEC DG K DG K MEN MB DG C DG M/SEC 310.0 75.0 0.0 988.5 190.0 289.5 7.9 C . 0.0 6.8 246.0 14.4 10.0 8.2 1.4 8. 1 999.9 99.9 99.9 999.9 99.9 999.9 995. 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 309.3 11. 975.0 13.6 188.9 21.9 21.6 289.8 7.5 74.5 0.4 0.4 8.1 362.2 9.1 3.4 307.7 12. 23.0 291.0 64.5 1.3 1.2 10.4 561.0 950.0 12.8 6.3 198.2 24.2 7.6 6.3 2.1 12.5 804.7 925.0 11.8 5.5 204.8 30.9 13.0 28.0 292.2 368.6 6.2 65.4 2.7 18. 2.9 14.9 1033.2 900.0 9.7 3.9 207.9 29.9 14.0 26.5 292.3 307.4 5.6 66.9 4.2 21. 5. 7 1267.0 875.0 212.3 29.1 15.5 24.6 293.6 310.0 6 · 1 75.6 23. 3.7 17.1 8.7 4.6 1506.8 850.0 7.7 220.4 30.5 19.8 23.2 295.1 31 3.2 6.7 86.4 . 7.0 25. 4.5 19.6 5.5 230.1 33.5 25.7 21.5 297.5 318.2 7.7 96.0 8-4 29. 1753.5 825.0 7.5 7.0 5.2 21.8 31.3 299.1 319.7 7.6 98.7 10.0 34. 24.4 2007.2 800.0 6.6 6.4 243.1 27.9 14.1 6.2 31.7\* 30.3 9.2 300.7 318.8 88.6 11.5 39. 7.1 26.7 2268.0 775.0 253.2 6.6 5.6 3.9 31.9\* 31.3 318.5 87.7 13.0 29. J 2536.0 750.0 5.2 258.2 , 6.5 301.8 6.0 44. 8.0 4.1 30.4 317.9 6.0 725.0 30.6\* 303.0 94.6 14.6 44. 9.0 32.0 2811.5 2.6 1.8 263.2 3.6 15.9 700.0 30.54 30.5 1.6 304.5 320.9 5.8 97.2 52. 3095.2 1.1 0.7 266.6 9.7 34.7 97.3 17.1 37.2 3388.1 675.0 0.3 -0.0 277.2 27.0 26.8 -3.4 30617 322.9 5.7 55. 10.9 -1.9 27.2 -5.2 307.8 322.5 5.1 97.7 18.3 59. 11.6 40.0 3690.2 650.0 -1.6 280.9 27.7 30.3 309.5 97.5 19.6 12.9 42.7 4002.7 625.0 -3.1 -3.4 282.0 31.0 -6.4 323.4 4.8 62. 32.6 21 . 4 13.9 45.6 432501 600.0 -5.1 -5.8 283.6 33.6 -7.9 310.7 323.0 4.2 95.0 66. 4658.9 575.0 -7.0 -7.9 284.2 33.5 32.5 -8.2 312.2 323.2 3.7 93.8 23.5 70. 15.2 48.5 264.9 29.1 -7.5 314.2 324.5 94.7 25.4 73. 16.5 51.4 5005.0 550.0 -8.7 -9.4 28.2 3-4 -11.1 31.2 325.7 95.3 27.4 75. 5365.0 525.0 -10.5 279.4 31.6 -5.2 316.1 3.1 17. 4 54.6 77. 57.6 5739.5 500 a G -14.1 275.7 32.2 32.0 -3.2 317.8 325.9 2.6 89.3 29. 5 19.0 -12.7 326.3 88.6 32.2 79. 6129.2 475.0 27.7 -3.0 319.3 2.2 20.4 61.0 -15.2 -16.7 276.1 27.9 6535.9 450.0 28.5 320.6 326.2 86.6 34.4 BÚ. 21.5 64.6 -18.2 -19.9 274.3 28.6 -2.1 1.8 36.3 81. 23.1 67.7 6960.9 425.0 -21.1 -23.0 275.4 26.6 26.5 -2.5 322.1 326.8 1.4 84.4 326.7 38. 6 400.0 -3.0 323.1 1.1 81.9 81. 24.5 71.3 7405.7 -24.0 -26.8 277.2 23.6 23.4 0.8 40.4 82. 25.9 74.9 7872.3 375.0 -28.1 -30.3 272.8 23.5 23.5 -1.1 324.4 327.2 81.6 327.5 0.5 72.1 42.3 82. 27. 3 78. 6 8363.7 350.0 -32.0 -35.3 270.0 23.2 23.2 0.0 325.6 28. 9 £2. 8 8882.3 325.0 -36.6 -40.6 264.3 28.0 27.9 2.8 326.2 327.4 0.3 66.2 44.8 83. 9431.4 327.2 999.9 99.9 999.9 47.1 83. 30.5 87.2 300.0 -41.3 99.9 265.6 25.4 25.3 2.0 32. 1 91.4 275.0 3.6 326.7 999.9 99.9 999.9 50.2 83. 10010.5 -45.9 99.9 264.1 34.9 34.8 37.2 329.0 994.9 99.9 999.9 54.5 83. 34.0 96.2 10642.3 250.0 -51.9 99.9 262.4 36.9 4.9 34.4 329.8 994.9 999.9 58. 9 36.2 101.2 11315.9 225.0 -57.9 266.4 34.4 2.1 99.9 932 99.9 335.0 999.9 12052.3 200.0 999.9 99.9 64.2 84. 38.5 106.5 -61.7 99.9 278.7 42.6\* 42.1 -6.4 999.9 201.3 44.9\* -8.8 347.4 999.9 99.9 69.5 85-112.5 12874.5 175.0 99.9 44.0 41.0 -62.1 39.5 376.2 999.9 77.0 43.7 119.0 13844.1 150.0 -54.5 99.9 288.5 41.7\* -13.2 999.9 99.9 8.7. 25.3 999.9 -10.1 389.0 999.9 99.9 83. 1 83. 126.0 15004.0 125.0 -58.5 99.9 291.9 27.2\* 46.7 999.5 400.9 100.0 -65.6 99.9 278.2 28.9\* 28.6 -4.1 999.9 99.9 90.4 70. 51.8 134.3 16365.0 999.9 99.9 999.9 98. 9 92. 439.0 58.6 142.0 18136.9 75.0 -63.9 99.9 303.3 8.0\* 6.7 -4.4 999.9 999.9 -0.7 507.6 99.9 102.4 93. 67.9 150.5 20666.4 50.U -57.7 99.9 69.4 2.0 -1.8

-50.6

99.9

999.9

25.0

81.7

159.3

25118.3

99.9

9909

639.6

999.9

99.9

999.9

99.9

999.9 999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429 CAYTON, CHIO

		100					2315 G	ит						38 32	• •
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	PUT T	E POT T	MX RTO	PH	RANGE	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	MISEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.7	298.0	978.5	13.9	12.1	200.0	7.2	2.5	6.8	290.0	313.7	9- 1	89.0	G. 0	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	94.9	999.9	99.9	999.9	999.9	
0.2	9.1	328.3	975.0	.14.2	11.2	999.9	99.9	99.9	99.9	290.6	313.0	8.6	82.4	999.9	
1.1	11.2	547.5	950.0	12.5	11.3	999.9	99•9	99.9	99.9	291.1	314.3	8• 9	92.5	999. 9	
1.9	13.5	771.1	925.0	10.8	10.3	224.8	21.1	10.9	15.0	241.5	313.9	8.6	96.8	1.7	35.
2.8	15.6	959.8	900.0	10.0	9.6	230.7	26.7	20.7	16.5	292, 9	315.0	8.4	96.8	5.8	
3.5	17.5	1234.1	875.0	. 8.8	8.4	238.5	27.7	23.6	14.5	294.0	315.1	7.9	96.9	4.2	
4.4	20.3	1474.3	850.0	8.8	2.2	257.7	22.4	21.9	4.8	296.0	310.5	5.3		5.5	
5.4	22.5	1722.5	825.0.	10.1	-1.4	280.5	15.6	15.3	-2.8	299.8	311.7	4.2	44.6	6.4	
6.5	25.0	1977.5	800.0	6.2	-1.9	285.3	17.8	17-1	-4.7	300.4	312.3	4.2	4.9.0	7.0	
7.4	27.3	2239.3	775.0	ć•5	-1.4	293.8	18.3	16.7	-7.4	301.4	314.1	4.5	56.8	7• e	
8.3	29. 8	2507.7	750.0	4.7	-2.0	286.3	20.0	19.2	-5•6	302.3	314.9	4 • 4	61.8	8.6	
9.2	32.3	2783.6	725.0	2.9	-2.1	280.4	20.6	. 50*3	-3.7	303.2	316.1	4.5	69.7	9.6	
10.2	25.0	3067.1	700.0	1.8	-3.5	281.8	19.8	19.4	-4.0	305.0	317.2	4.2	67.7	10.7	
11.3	37.4	3360.3	675e0	0.6	-16.8	288.9	19.0	18.0	-6.2	306.6	311.5	1.6	26.7	11.8	
12.5	40.2	3662.3	650.0	-0.5	- 50 - 3	265.2	20.9	20.1	-5.5	308.3	308.5	0 • 1	1.0	1 3 - 1	d4.
13.8	42.8	3975.0	625.0	-1.2	-50.7	288.0	23.2	22.1	-7, 2	311.1	311.3	0.1	1.0	14.7	
15. 1	45.7	4299.0	600.0	-3,4	-52.1	292.0	23.6	21.9	-8.8	312.1	312.3	0.0	1.0	10.4	
16.3	48.0	4633.5	575.0	-6,3	-53.9	294.5	21.9	20.0	-9.1	312.5	312.7	0.0	1.0	17.9	
17-6	51.4	4978.9	550.0	-9.3	-55.6	288.3	22.5	21.3	-7, 1	313.1	313.2	0.0	1.0	19.7	
19.0	54.5	5337.3	525.0	-11.3	-40.4	295.3	21.5	19.5	-9.2	314.8	315.2	0 • 1	3.7	21.3	
20.2	£7.4	5709.5	500.0	-14.3	-48.3	300.0	22.4	19.4	-11.2	315.6	315.9	0 • 1	3.7	22.9	
21.5	60.7	60 5 5 . B	475.0	-17.8	-40.0	294.5	25+0	22.8	-1 C. 4	315.9	316.8	0.2	12.3	24.5	
23.0	64.1	6497.7	450.0	-20+8	-31.9	283.9	32.1	31.1	-7.7	317.1	319.1	0.6	35.9	27.2	
24.4	67.3	6917.9	425.0	-23.8	-31.6	272.5	35.9	35.9	-1.6	318.5	320.6	0.6	48.2	29.8	
26.0	70.8	7356.1	400.0	-26.8	-39.0	259.8	34.1	33.6	6.0	320.2	321.3	0.3	30.7	33.1	98•
27.5	74.3	7821.5	375.0	-29.3	-56.5	254.7	36.4	35.1	9.6	322.8	323.0	0 • 1	5.6	36.3	
29.2	78.3	8310.8	350.0	-32.8	-71.0	251.5	32.2	30.6	10.2	324.5	324.5	0.0	1.0	39.5	
31.0	82.1	8827.8	325.0	-37.4	-74.1	255.4	36.1	34.9	9.1	325.0	325.6	0.0	1.0	42.7	
32.8	86.0	9374.3	300.0	-42.2	59.9	256.0	37.0	35.9	9.0	325.9	999.9	99.9	999.9	46. B	
34.7	90.4	9956.7	275.0	-47.2	99.9	259.0	34.9	34.3	6.7	326.9	999.9	99.9	999.9	51 • 0	
36.9	95.0	13550.0	250.0	-51.9	99.9	261.6	41.2*	40.7	6.0	328.9	999.9	99.9	999.9	55. 6	
39-3	99.8	11256.9	225.0	-56-1	99.9	264.6	48.5*	48.2	4.6	332.6	999.9	99.9	999.9	62.4	
41.5	105.0	11996.4	300.0	-61.3	99.9	268.7	40.6*	40.5	0.9	335.7	999.9	99. 9	999.9	67.7	
44.4	110.6	12820-4	175.0	-61.3	99.9	267.2	42.4*	42.4	2.1	348.9	999.9	99.9	999.9	74.5	
47.5	116.5	13793.3	150.0	-54.1	99.9	284.3	32.9*	31.9	-8.2	376 <b>.</b> 8	999.9	99.9	868.8	81.7	
51.2	123.3	14953.9	125.0	-57.9	99.9	277.1	30.6*	30.3	-3.8	390.2	999.9	99. 9	999.9	89.4	90.
55.3	120.5	16349.9	100.0	-61.8	<b>99.9</b>	274.1	27.84	27.7	-2.0	408.3	999.9	99.9	999.9	97.4	
60.7	128.3	18111.9	75.0	-62.9	99.9	278.5	11.3+	11.2	-1.7	441.0	994.9	99.9	999.9	104.1	91.
99.9	99. 9	99.9	50.0	99.9	99.9	99.9	99.9	9 7 9	99.9	99.9	999.9	99•9	866.8	995. 9	
99.9	69.9	99.9	25.0	<b>99.9</b>	99.9	99.9	99.9	59 <b>.</b> 9	95.9	99.9	999.9	99.9	999.9	999.9	999.

\* EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433 SALEM. ILL

130 105. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEFD	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	_
MIN		GFM	MB	DG C	CG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5. 5	175.0	989.4	20.0	12.3	170.0	8•8	-1.5	8.7	295.3	319.4	9.1	61.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	94.9	999.9	999.9	999.
0.3	6.6	301.6	975.0	19.4	13.0	178.8	17.9	-0.4	17.9	295.9	321.6	9.7	66.5	0.4	350.
1.0	8.9	525+4	950.0	19.0	13.2	185.1	18.7	1.7	18.6	297.9	324.9	10.1	69e1	Ge 9	
1.6	11.3	754.9	925.0	18.3	13.5	197.7	19.4	5.9	18.5	299.5	327.9	10.6	73.6	1.9	
. 2.6	12.4	989.9	900.0	16.8	12.9	198.4	17.3	5.5	16.4	300.2	328.3	10.5	7766	2,8	
3.3	15.6	1230.1	875.0	15.6	11.9	20%.7	16.6	8.2	14.5	301.3	328.6	10.1	76.8	3∙5	
1	17.9	1476.0	850.0	14,0	11.9	225.2	14.9	10.5	10.5	302.2	230.4	10.4	97.3	4.2	
4.9	20.3	1728.0	825.0	12.3	11.0	238.4	14.1	12.0	7 • 4	303.0	330.3	10.0	91.3	4.7	
5.7	22.0	1986.1	800.0	10.9	9.6	246.6	15.7	14.4	6.2	304.0	330.0	9.5	92.1	5.3	
6.5	25.2	2251.2	775.0	9.7	7.5	256.2	17.3	16.8	4. 1	305.3	328.8	8.4	86.2	5.8	31.
7.3	27.5	2523.4	750.0	8.2	4 • 8	263.7	19.9	. 19.7	2.2	306.5	326.8	7.2	78.6	6.4	37.
8.2	30.2	2803.4	725.0	74.7	-5.6	267.5	21.8	21.8	0.9	308.3	318.7	3.5	38.6	7.2	
9.1	32, 9	3091.6	700.0	6.3	-12.9.	269.5	21.7	21.7	0.2	309.7	315.9	2.0	23.8	8.1	50.
10.0	35.5	3388•9	675.0	4.3	-15.5	275.2	21.7	21.6	-2.0	310.7	316.0	1+7	21.9	9.1	55.
11.0	36. 5	3694+6	650.0	2.1	-17.3	276.4	22.2	22.0	-2.5	311.5	316.2	1.5	22.1	10.1	60.
12.0	40, 9	4009•B	625.0	-0.1	-21.9	277.7	20.6	20.5	-2.8	312.4	315.9	1.1	17.5	11.2	
13.1	43.8	4334.6	600.0	-3.2	-22.1	278.2	20.1	19.9	-2.9	312.5	316.0	1.1	21.7	12.3	
14.2	46.9	4669.4	575+0	-6.4	-20.3	274.4	20.8	20.7	-1.6	312.6	316.9	1.3	25.5	13.5	
15.3	49.9	5015.1	550.0	-9.3	-20.0	270.1	21.6	21.6	-0.0	313.2	317.7	1.4	41.4	14.9	
16.6	52.9	5372.8	525.0	-12.7	-19.4	261.2	25.0	24.7	3.8	313.3	318.2	1.6	57.0	16.4	74.
17.7	56.0	5743.0	500.0	-15.8	-20.5	257.0	27.1	26.4	6.1	313.9	318.7	1.5	66.8	18.2	
19.0	59.4	6127.6	475.0	-19.4	-22.2	260.7	29.8	29.4	4.8	314.1	318.5	1.4	78.2	20.5	
20.3	62.9	6526.7	450.0	-22.9	-24.2	259.4	29.4	28.9	5.4	314.5	318.4	1.2	89.7	22.9	
21.6	66.3	6943.2	425.0	-26.1	-27.6	260+3	29.0	28.6	4.9	315.6	318.7	0.9	86.8	25• 1 27• 6	76. 76.
23.3	70.0	7378•9	400.0	-28.8	-40-1	269.0	33.0	33.0	0.6	317.5	318.5	0.3	32.3	30.8	
24.5	73.7	7841.9	375.0	-29.6	-44.4	270.7	37.3	37.3	-0.5	322.4	323.1	0.2	22.0	34.2	
26. 1	77.8	8330.0	350.0	-33.8	-47.2	268-1	37.6	37.6	1.3	323.1	323.7	0.1	24.0		
27.6	81.8	8845.5	325.0	-37.7	-50.7	267.5	42.3	42.3	1.9	324.6	325.0	0.1	24.0 999.9	38• 3 999• 9	
29.6	66.2	9391.8	300.0	-42,3	99.9	999.9	99.9	99.9	99.9	325.7	999.9	99.9 99.9	999.9	979.9	
31.4	90.8	9975+9	275.0	-45.3	99.9	999.9	99.9	99.9	99.9	329.6	999.9 999.9		999.9	999.9	
33, 5	95.8	10605.9	250.0	-49.8	99.9	999.9	99.9	96.9	59.9	332.0	999.9	99. 9 99. 9	999.9	999.9	
35.8	101.0	11287.4	225.0	-55.2	99.9	999.9	99.9	99.9	99.9	334.0	999.9	99.9	999.9	999.9	
38,4	106.8	12031.2	200.0	-60-1	99.9	999•9	99.9	99.9	99.9	337.6	999.9	99.9	999.9	999.9	
41.2	113.0	12860.8	175.0	-60.2	99.9	999.9	99.9	99.9	99.9	350.6	999.9		999.9	99989	
44.7	119.7	13830,5	150.0	-57-6	99.9	999.9	99.9	99.9	99.9	370.9		99.9	999.9	999.9	
48.7	127- 3	14981.2	125.0	-57.9	99.9	999.9	99.9	99.9	99.9	390-1	999.9 999.9	99.9 99.9	999.9	999.9	
99.9	99.9	99.9	100.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9 99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9		999.9	99.9.	999.9	999.9	
99.9	59.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	25.0	95.9	99.9	99.9	99.9	99.9	59. 9	99.9	AAA 9 A	7707	77767	25263	7774

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 451 DOEGE CITY, KAN

### 23 APRIL 1975 2315 GMT

152 12. 0

								2315 0	-, 1					•	J	, ,
	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CC4P	POT T	E POT T	MX RTO	PH	RANGE	AZ
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	טט
	0.0	14.1	791.0	913.4	30, ŏ	1.0	210.0	. 9.3	4.6	8.1	312.4	325 • 8	4.5	15.0	0.0	G.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9	
	99.9	55.9	99.9	975.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999.9	339.
	99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	59.3	99.9	999.9	99.5	999.9	990, 3	9+6.
	99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	9929	99.9	99.9	999.9	99.9	999.9	999.9	999.
	0.4	15.3	922.4	900.0	27.9	4.9	245.2	5.3	4.5	2.2	311.1	328.7	6.1	23.0	0.4	45.
	1.2	17.6	1170.8	875.0	25.7	3.1	220.8	7.6	5.0	5.6	311.2	327 • 1	5.5	23.1	C. 5	48.
	2.1	20.2	1424.3	850.0	23.2	1.0	209.3	8.6	4.2	7.5	311.1	325.4	4. Ġ	23.2	1.1	41.
	2.9	22.6	1683.1	825-0	20.7	-0.9	211.3	8.8	4.6	7.5	311.1	323.9	4.3	23.3	, 1.5	38.
	4.0	25.2	1947.7	800.0	18.0	-1.0	214.6	10.2	5.8	8•4	311.0	324.1	4.4	27.4	2. l	3ۥ
	4.9	27.6	2217.4	775.0	14.8	-2.7	216.1	10.3	6.1	e. 3	310.3	322.1	4.0	29.2	2. 7	360
	6.5	30.2	2493.3	750.0	12.1.	-5.2	212.6	10.2	5.5	8.6	310.1	320.5	3.5	29.4	3. 7	36.
	7.9	33.0	2775.7	725.0	9.6	-6.7	215.4	10.1	5.9	8.2	310.4	320.0	3.2	30.8	4.5	36.
	9.3	35.6	3065.4	700.0	6.8	-8.5	213.7	9.0	5.3	e. 0	310.3	319.0	2• 9.	32.7	5. 3	36.
	10.5	38.4	3362.5	675.0	3.9	-10.7	214.0	10.0	5.6	8.3	310.3	317.9	2.5	33.4	6. 1	35.
	11.6	41.1	3667.5	650.0	1.0	-12.8	222.0	10.2	6.8	7.6	310.3	317.0	2.2	34.7	6.7	35.
	12.8	44.0	3981.1	625.0	-1.8	-14.4	228.1	11.4	8.5	7.6	310.6	316.5	2.0	37.3	7. 5	3A.
	13.9	47-1	4303.8	600.0	-5.0	-16.9	236.6	11.9	9.9	6.5	310.5	315.8	1.7	38.8	8. 5	<b>39.</b>
	15.1	50.2	4636.6	575.0	-7.5	-20.5	244.0	13.5	12.1	5.9	310.8	315.0	1.3	35.4	9.1	40.
	16.3	53.3	4980.7	550.0	-10-1	-25.9	244.5	15.2	13.7	6.5	312.2	315.1	0.9	28.2	10.0	43.
	17.2	56.3	5339.8	525.0	-10.8	-26.8	238.0	15.8	1.3 • 4	8.2	315.5	318.1	0.8	25.3	10. A	44.
	18.5	59.6	5712.4	500.0	-13.4	-28 - 4	240.9	16.4	14.4	e. 0	316.8	314.2	0.7	26.8	12.0	45.
	20.0	63.0	6100.7	475. J	-16.2	-28.8	250.1	18.9	17.7	6.4	318.0	320.5	0.7	32.5	13. 5	4 800
	21.7	66.3	6505.7	450.G	-18.7	-32.0	249.4	24.9	23.3	e. 7	319.7	321.7	0.6	25.8	15.6	51.
	23.4	70.0	6929.0	425.0	-22.0	-33.2	247.2	26.4	24.4	10.2	320.8	322.7	0.5	35.1	18.1	54.
	24.9	73.7	7371.5	400.0	-26.2	-37.1	247.1	28.3	26.1	11.0	321.0	322.3	0.4	34.6	20.5	5%
	26.3	77.5	7834.9	375.0	-30-1	-39.9	247.4	28.3	26.2	10.9	321.8	322.9	0.3	37.2	22.9	55.
	27.9	81.5	8321.5	350.0	-34.9	-43.1	247.6	28.9	26.7	11.0	321.6	322.5	0.2	42.8	25. 7	59.
	30.0	85,6	8834.3	325.0	-38.6	-46. B	248.8	30.9	28.8	11.2	323.4	324.0	0.2	41.0	29.2	54.
	31.9	90.0	9378.4	300.0	-43.2	99.9	250.1	33.8	31.6	11.5	324.5	999.9	99e9	999.9	32.7	60.
٠.	33.9	94.6	9959.5	275.0	-47.2	99.9	250.5	40.9	38.5	13.7	326.9	999.9	99.9	999.9	37.3	61.
	36.5	99.4	10585.7	250.0	-51.1	99.9	245.4	46.5	42.3	19.4	33G•1	999.9	99.9	999.9	44.2	6.20
	38.8	104.5	11263.5	225.0	-55.8	99.9	243.8	47.2	42.3	20.8	333.1	999.9	99.9.	999.9	50.6	52.
	41.5	110.2	12006.4	200.0	-59.5	99.9	245.4	51.8	47.1	21.6	330.6	999.9	99.9	999.9	5e. 4	63.
	44.3	115.8	12843.9	175.0	-58.8	99.9	251.7	46.3*	44.0	14.6	352.€	999.9	99.9	999.9	66.5	54.
	47.7	122.3	13818.3	150.0	-56.4	99.9	248.6	41.9*	39.0	15.3	373.0	599.9	99.9	999.9	73. 9	64.
	52.1	129.5	14972.6	125.0	~57.5	99.9	255.7	36.6*	35.5	9.0	391.0	999.9	99.9	999.9	84.6	65.
	57.2	137.0	16385.2	100.0	-56.5	99.9	248.6	24.8*	23.1	9.1	418.6	599.9	99.9	999.9	93.4	05.
	63.7	144.5	18179.2	75.0	-65.0	99.9	249.8	15.0+	14.1	5.2	436.7	999.9	99.9	999.9	101.5	65.
	72.2	152.7	20715.3	50.0	-58.8	99.9	258.0	14.6*	14.2	3.0	504.9	999.9	99.9	999.9	104.9	65.
	84.8	160.7	25186.8	25.0	-50.3	99.9	264.B	5.2	5.2	0.5	640.6	999.9	99.9	999.9	109.0	66.

<sup>160.7 25186.8 25.0 -50.3 99.9 264.</sup>R • BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATUPE CR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456

23 APRIL 1975 2337 GMT

156 18. 0 TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO ŔH RANGE AZ DG K GM/KG PCT KM MIN GPM MB DG C DG C ÐG M/SEC M/SEC M/SF C DG K DG 0.0 6.8 268.0 971.0 32.2 17.7 220.0 4.0 309.8 346.4 13,2 42.0 0.0 0. 5.2 3.3 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99. 9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 15.6 463.2 950.0 199.1 10.9 10.3 307.4 340.0 11.9 46.6 0.4 47. 0.6 8.5 28.1 3.6 1.2 10.5 699.6 925.0 26-2 15.6 206.4 12.4 5.5 11-1 307.8 341.4 12.2 52.2 0.8 34. 2.0 12.6 940.4 900.0 23.5 14-1 213.5 12.9 7.1 10.8 307.3 338.6 11.4 55.8 1.4 32. 3.0 14.8 1185.8 875.0 21.3 13.4 222.5 14.6 9.8 10.7 307.4 338.3 11.2 61.0 2.2 34. 3.8 1436.5 850.0 230.8 13.0 10.1 307.4 337.5 10.9 66.6 2.8 37. 16-7 18-0 12-6 8. 2 4.5 19.0 1692.5 825.0 11.7 235.1 14.0 11.5 8.0 307.8 337.1 10.6 72.1 3. 4 40. 16.8 21.0 5.2 1954.3 800.0 14.6 10.8 242.4 11.0 9.8 5. 1 308.1 336.6 10.3 78.0 3.9 42. 2222.3 775.0 10.4 250.2 11.3 10.6 307-9 336.5 10.3 90.6 4.4 45. 23.4 11.9 3.8 6.1 7.0 25.6 2476.6 750.0 9.5 6.7 260.4 11.6 11.5 1.9 308.0 331.2 8.3 82.5 4.9 49. 27.9 2777.3 725.0 7.7 -0.8 260.9 13.5 2.2 308-6 323.1 5.0 54.9 5.6 54. 8.1 13.7 700.0 9.0 30.4 3066.0 6.4 -9.9 257.5 14.8 14.5 3.1 309.9 317.8 2.6 30.4 6.3 57. 10.2 7.4 33.0 3363.0 675.0 4.4 -16.2 250.9 17.6 16.6 5.8 310.8 315.8 1.6 20.7 5 9. 11.1 35.5 3669.1 650.0 2.2 -16.9 246.4 20.5 18.8 8.2 311.6 316.6 1.6 22.6 8.5 61. -17.6 21.4 12.3 38.0 3983.7 625.0 -1.0 241.9 18.8 10.0 311.5 316.3 1.5 26.9 10.0 61. 13.5 40.6 4307.8 600.0 -4.1 -19.1 242.3 22.2 19.7 10.3 311.6 316.0 1 - 4 29.7 11.6 61. 4641.3 575.0 +7.2 243.2 21.9 11.1 311.7 315.3 29.3 13.2 14.7 43.3 -22 · 1 24.5 1 - 1 61-15.8 4985.9 550.0 -10.1 -29.2 245.3 22.7 20.6 312.1 314.2 0.6 19.1 14.8 62. 46.2 9.5 16.9 49.1 5342.4 525.0 -13.2 -28-3 247.2 23.5 21.7 9. 1 312.5 314.9 0.7 26.8 16.4 62. 18-1 5713.0 500.0 -14.3 -34.9 250.5 23.2 21.9 315.6 317.0 0.4 15.3 18.0 63. 52.0 7.8 21.1 19.2 55.0 6101.1 475.0 -16.1 -36.6 260.1 21.4 3.7 318.1 319.3 0.3 15.0 19.4 64. 20.4 450.0 265.6 22.3 22.3 318.6 319.5 0.3 14.3 20.9 65. 58.0 6505.5 -19.6 -40.0 1.7 61.4 -22.5 21.9 6927.7 425.0 -40.A 266.4 27.2 27.2 1.7 320.2 321.1 0.2 16.9 22.9 67. 23,6 7370.1 400.0 -25.5 -39.0 264.3 26.7 321.8 322.9 0.3 26.8 25.6 69. 64.9 26.8 2.7 262.1 25.2 68.3 7834.9 375.0 -29.4 -40.L 29.8 29.5 4. 1 322.7 323.6 0.3 34.1 28.3. 70. 71.8 261.6 37.8 26.9 8323.2 350.0 -33.6 -43.0 28.0 27.7 4.1 323.3 324.2 0.2 31 . 2 71. 28.8 75.8 8838.1 325.0 -28.3 -47.6 261.2 32.4 32.0 4.9 323.7 324.3 0.2 36.4 34.6 720 31.2 9385.5 267.8 37.0 36.9 327.8 999.9 99.9 999.9 39.7 74. 80.0 300.0 -40.9 99.9 1.4 9972.0 275.0 41.1 1.2 329.7 999.9 99.9 999.9 43. B 75. 33.1 24.9 -45.3 99.9 268.3 41.1 999.9 999.9 35.0 28.8 10601.7 250.0 -50-1 90.0 264.6 46.8 46.6 4.4 331.7 99.9 48.9 77. 37.0 94.0 11281.5 225.0 -55.5 99.9 263.6 51.9 51.6 5.8 333.5 999.9 . 99. 9 999.9 54.3 77. 47.2 . 7.0 338.6 999.9 99.9 999.9 61.5 78. 39.5 99.2 12025.2 200.0 -59.5 99.9 261.5 46.7 42.8 105.0 12862.2 175.0 -58.4 99.9 267.2 40.14 40.1 1.9 353.6 999.9 99.9 999.9 68.9 78. 366.3 999.9 99.9 999.9 75. 7 79. 46.1 111.7 13828.0 150.0 -60.2 99.9 265.7 28.4 28.3 2. 1 51.3 254.2 35.0\* 33.7 389.9 999.9 99.9 999.9 87.4 79. 119.0 14970.8 125.0 -58.0 99.9 9.5 2305 7.9 412.3 999.9 99.9 999.9 95.1 78. 56.6 127.7 16367.2 100.0 -59.8 99.9 251.4 24.74 221.7 11.9\* 7.9 3.9 438.1 999.9 99.9 999.9 101.0 77. **63.0** 137.3 18141.7 75.G -64.3 99.9 999.9 999.9 106.7 77. 73.2 147.5 20666.8 50.0 -56.5 99.9 247.5 7.1 6.5 2.7 510.4 99.9

-50.0

99.9

328.4

25.0

89.6

158.3

25129.7

116

2.3

-3.8

641.4

999.9

99.9

999.9

4.5

109.3 78.

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMF PEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 486 FORT TOTTEN. N Y

151 21. 0

4 4 4															
TIME	CATCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT F	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	MISEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	3. 9	B. 0	1023.2	10.2	-3.5	999.9	99.9	99.9	99. 9	281.9	289.6	2.9	38.0	999.9 9	99.
0.7	5.6	198.5	1000.0	8.8	-2.2	999.9	99.9	99.9	99.9	282.4	291.0	3.2	45.7	999.9 9	199.
1.4	7.7	407.4	975.0	7.1	-3.5	999.9	99.9	99.9	99.9	262.7	290.8	3.0	46.7	999.9 9	99.
2.2	9. 9	621.0	950.0	7.7	-2.5	999.9	99.9	99.9	99.9	285.5	294.5	3.3	48.2	999.9 9	199.
3.0	11.9	840.8	925.0	7-1	3.2	999.9	99.9	95.9	99.9	287.3	301.2	5.3	76.B	999.3 9	195.
3.8	14.2	1066.3	900.0	6.8	4 . 8	999.9	99.9	99.9	59 <b>.</b> 9	289.3	305.2	6.0	87.3	999.9 9	199.
4.6	16.2	1297.9	875.0	6.9	0.5	999.9	99.9	99.9	99.9	291.5	303.9	4.5	63.7	999.9 9	199.
5.3	18.5	1536.2	850.0	6.6	-0.4	999.9	99.9	99.9	99.9	293.6	305.6	4.4	60.9	999.99	195.
6.2	20.7	1781.2	825.0	5.9	0.6	999.9	99.9	99.9	59. 9	295.4	308.7	4.8	68.7	999.9 9	99.
7.0	23.0	2032.5	800.0	4.0	0.9	999.9	99.9	99.9	99.9	296.1	310.1	5.1	80.4	999.9 9	199.
7.8	25.3	2290.2	775.0	2.1	-2.2	999.9	99.9	99.9	<b>59.9</b>	296.6	309.3	4.2	73.6	999.9 3	79.
8.7	27.6	2554.3	750.0	0.1	0.0	999.9	99.9'	99.9	99.9	297.3	311.5	. 5.1	99.7	999.9 9	99.
9.6	30.1	2825.1	725.0	-0.9	-18.1	999.9	99.9	99.9	99.9	298.7	302.5	1.3	25.5	999.9 9	
10.6	32.8	3104.1	700.0	-2.7	-21.0	999.9	99.9	99.9	99.9	299.6	302.3	1.0	22.9	999.9 9	
11.6	35.3	3392.0	675.0	-4.0	-10.6	999.9	99.9	99.9	99.9	301.4	308.9	2.5	60.2	999.9 9	199.
12.6	37.8	3689.8	650.0	-6.2	-8.0	999.9	99.9	99.9	99.9	302.3	311.7	3.2	87.9	999.9 9	1970
13.6	40.5	3994.8	625.0	-8.3	-12.3	999.9	99.9	99.9	99.9	303.2	310.3	2.4	73.2	999.9 9	199.
14.7	43.0	4310.3	600.0	-10.7	-16.7	999.9	99.9	99.9	99. 9	303.9	309.2	107	60.9	999.9 9	199.
15.9	45.9	4636.0	575.0	-13.7	-20•9	999.9	99.9	99.9	99.9	304.1	308.0	1.3	54.4	999.9 9	99.
17.0	48.9	4972.6	550.0	-15.4	-17.1	999.9	99.9	99.9	99 <b>.</b> 9	306.0	311.5	1.8	87.4	999.9 9	199.
18.1	51.6	5323.5	525.0	-16.8	-18.7	99909	99.9	99.9	99.9	308.4	313.6	1.7	85.0	999.9 9	199.
19.4	54.8	5688.4	500.0	-17.3	-22.4	999.9	99.9	99.9	99.9	309.6	313.6	1.3	76.1	999.9 9	199.
20.7	57.6	6068.1	475.0	·22.0	-25.9	999.9	99.9	99.9	99.9	310.8	313.9	1.0	70.3	999.9 9	95.
22.0	61.0	6463.8	450.0	-24.4	-39.7	999.9	99.9	97.9	99.9	312.6	313.5	0.3	22.4	999.9 9	199.
23.4	64.3	6878.8	425.0	-27.0	-33.6	999.9	99.9	99.9	99.9	314.4	316.2	0.5	52.1	999.5 9	95.
24.8	67.6	7314.1	400.0	-29.2	-33.1	999.9	99.9	99.9	99.9	317.1	319.0	0.6	68.7	999.9 9	195.
26.3	71.0	7773.0	375.0	-31.2	-35-2	999.9	99.9	99.9	99.9	320.2	322.0	0.5	67.8	999.9 9	99.
27.9	74.8	8258.7	350.0	-34.9	-39.4	999.9	99.9	99.9	99.9	321.6	322.9	0.3	63.0	999.9 9	199.
29.6	78.8	877C.6	325.0	-39.6	99.9	999.9	99.9	99.9	<b>99.</b> 9	322.0	999.9	99.9	999.9	999.9 9	199.
31.4	.82.7	9313.4	300.0	-43.9	99.9	999.9	99.9	99.9	99.9	323.5	999.9	99.9	999.9	999.9 9	199.
33.2	86.8	9891.7	275.0	-48.7	99.9	999.9	99.9	99.9	99.9	324.7	999.9	99.9	999.9	<b>999.</b> 9 9	99.
35.1	91.4	10510.4	250.0	-54.2	99.9	999.9	99.9	99•9	99.9	325.6	999.9	99.9	999.9	999.9 9	199.
37.5	96.2	11176.8	225.0	-60.0	99.9	999.9	99.9	99.9	99.9	326.6	999.9	99.9	999.9	399.7.9	99.
39.9	101.3	11902.2	200.0	-65.8	99.9	999.9	99.9	99.9	99.9	328 <sub>0</sub> 6	999.9	99.9	999.9	999.9 9	99.
42.5	107.0	12706.6	175.0	-64-6	99.9	999.9	99.9	99.9	99.9	343.3	999.9	99.9	999.9	999.9 9	99.
45.7	112.0	13659.7	150.0	~58.5	99.9	999.9	99.9	99.9	99.9	369.3	999•9	99.9	999.9	999.9 9	
49.4	119.7	14806.0	125.0	-60-1	99.9	999.9	99.9	99.9	99.9	386.3	999.9	99. 9	999.9	999.9 9	
53.8	127.3	16200.9	100.0	-59.5	99. 9	999.9	99.9	99.9	99.9	412.8	999 • 9	99.9	999.9	999.9 9	
59.3	135.5	17982.6	75.0	-61.6	99.9	999.9	99.9	99.9	99.9	443.9	999.9	99.9	999.9	999.9 9	99.
67-1	143.3	20531.7	50.0	-57.5	99.9	999.9	99.9	99.9	ç9. g	508.1	999.9	99.9	999.9	999.9 9	
81.0	15107	24968.6	25.0	-52-5	99.9	999.9	99.9	99.9	99. 9	634.3	999.9	99.9	999.9	999.9 9	99.

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG # BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 518

								2313 0								
TIM	_	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIP	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
#1	N		GEN	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0	. 0	4.7	86.0	1010.3	16.7	0.4	150.0	4.2	-2.1	3 <b>.</b> 6	289.5	300 • 1	3.9	33.0	0.0	0.
0	. 3	5.4	173.4	1000.0	16.7	-2.5	162.2	. 8.8	-2.7	8.4	290.3	299.2	3.2	26.8	0.2	337.
1	. 2	7. 6	388-1	975.0	15.2	-4.6	165.2	9.9	-2.5	9.5	290.8	298.6	2.8	25.1	0a 5	341.
	. 0	10.0	607.0	950.0	13.2	-6.3	167.8	10.9	-2.3	10.6	290.9	298.0	2.5	25.2	1.0	345.
2	.7	12.1	830.3	925.0	11.4	-7.1	164.4	13.4	-3.6	12.9	291.3	298.1	2.4	26.6	1.6	345.
3	-4	14.5	1050.3	900.0	9.5	-7.7	164.4	12.1	-3.2	11.6	291.6	298.3	2.4	28.8	2. 2	344.
4	. 4	16.8	1290.9	875.0	7.4	-7.4	171.1	8.4	-1.3	8.3	291.8	298.8	2.5	34.2	2.8	345.
5	. 3	19. 3	1528.7	850.0	5.4	-7.8	177.3	7.0	-0.3	7.0	292.1	299.2	2.5	37.7	3. 2	346.
6	. 3	21.7	1771.6	825.0	3.3	-8.4	192.6	6.1	1.3	5.9	292.4	299.3	2.5	41.9	3.5	348.
. 7	• 3	24.4	2020.3	800.0	1.3	-9.3	211.5	5.7	3.0	4.9	292.8	299.6	2.4	45.1	3.8	351.
	.2	26.9	2275.4	775.0	0.8	-12.9	247.8	7.6	7.1	2.9	294.9	300.3	1.8	35.1	4.0	355.
9	. 1	29.7	2539.0	750.0	0.9	-14-1	264.7	10.3	10.3	1.0	29738	302.8	1.7	31.5	4.1	2.
10	.0	32.4	2810.8	725.0	-0.3	-15.3	278•2	11.5	11.4	-1.6	299.3	304.1 .	1.6	31.4	4.2	11.
11	. 0	35.3	3090.7	700.0	-2.2	-16.3	282.9	10.6	10.4	-2.4	300.2	304.9	1 • 5,	33.4	4.2	21.
11	. 9	36.0	3378.3	675.0	-4.5	-18.0	286.9	10.7	10.3	-3.1	300.7	304.9	1.4	34.0	4.3	27.
12	. 8	4.C. 7	3674.2	650.0	-7 <sub>+</sub> 3	-9.2	290.1	13.2	12.4	-4-6	301.1	309.6	2.9	86.7	4.4	36.
. 13	. 9	43.6	3979.2	625.0	-8.8	-8.8	287.1	15.6	14.9	-4 . 6	302.7	311.9	3.1	100.0	4.8	47.
15	. 1	46.9	4294.5	600.0	-10.9	-11.2	280.2	17.5	17.3	-3.1	303.8	311.8	2.7	97.4	5.5	57.
16	• 3	50.0	4620.8	575.0	-12.5	-13.4	276.9	21.3	21.1	-2.6	305.6	312.7	2.4	92.5	6.6	65.
17	• 5	53.0	4959.5	550 . 0	-14.3	-15.6	276.6	21.1	20.9	-2.4	307.3	313.6	2.1	89.7	8.0	71.
16	9	56.1	5310.7	525.0	-16.9	-18.7	276.8	18.2	18.1	-2.2	308.3	313.5	1.7	85.7	9.6	76.
20	. 3	59.6	5675.6	500.0	-19.5	-21.5	279.2	20.0	19.8	-3.2	369.4	313.7	1.4	83.6	10.9	79.
21	67	63.0	6055.2	475.0	-21.7	-24.3	270.9	17.6	17.6	-0.3	311.3	314.8	1.1	79.1	12.5	81.
23	. 1	66.4	6451.4	450.0	-24.4	-27.6	266.0	20.0	19.9	1.4	312.6	315.4	0.9	74.7	14.0	82.
24	. 7	70.1	6865.3	425.0	-27.7	-30.9	268.0	22.6	22.6	0.8	313.6	315.8	0.7	73.6	16.0	82.
	. 1	73.6	7300.03	400.0	-29-1	-32-1	268.4	26.8	26.8	0.8	317.2	319.4	0.6	74.6	16.3	83.
	. 8	77.7	7758.9	375.0	-32.5	-36.1	271.4	28.3	28.3	-0.7	318.5	320.1	0.5	70.3	21.0	84e
29	. 5	81.5	6242.0	350.0	-35.9	-39.4	281.7	34.8	34.1	-7.1	320.3	321.5	0.3	69.8	24. 1	85.
31	. 3	85∙6	8751.7	325.0	-40.9	99.9	289.3	33.8	31.9	-11.2	320.4	999.9	99.9	999.9	27.7	88.
	. 4	90.0	9291.3	300.0	-44.7	99.9	292.3	32.8	30.4	-12.4	322.3	999.9	99.9	999.9	31.5	91.
	. 2	94.6	9867.9	275.0	-49.4	99.9	301.7	36.7	31.2	-19.3	323.7	999.9	99.9	999.9	35. 2	94.
	• 5	99.4	10485.2	250.0	-54.9	99.9	297.8	45.4	40.2	-21.2	324.5	999.9	99.9	999.9	39.9	97.
	. 7	104.4	11150-1	225.0	-60.6	99.9	297.6	46.2	41.0	-21.4	325.7	999.9	99.9	999.9	45. 7	100.
	. 2	110.0	11871.8	200.0	-67.0	99.9	298.1	48.5	42.8	-22.9	326.6	999.9	99.9	999.9	52.8	102.
45	- 1	115.9	12675.3	175.0	-64.3	99.9	304.4	42.1	34.7	-23.6	343.8	999.9	99.9	599.9	60.4	105.
	- 5	122.3	13641.1	150.0	-55.4	9909	301.0	26.5	22.7	-13-6	374.7	999.9	99.9	. 999.9	67.7	106.
	. 4	129.7	14802.9	125.0	-58-1	99.9	301.7	25.7	21.8	-13.5	389.7	999.9	99.9	9;9.9	73.0	108.
57	• 2	137.5	16204.7	100.0.	-58.8	99.9	326.3	24.3	13.5	-20.2	414.2	999.9	99.9	9)9.9	80.7	110.
	. 9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	919.9	999. 9	999.
	. 9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999. 9	999.
99	. 9	99. 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 520 PITTSBURG, PA

147 38. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	PH	RANGE	AZ-
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	7.0	359.0	971.9	19.3	5.0	215.0	15.3	8.8	12.5	295.6	311.0	5.6	39.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99909	999. 7	
0.5	8.7	554.6	950.0	18-1	4+5	212.7	23.3	12.6	19.6	296.3	311.6	5.6	40.8	0 · B	36.
1.3	10.6	782.0	925.0	15.8	4.0	208.4	24.4	11.6	21.4	296.2	311.3	5.5	45.4	1.8	33.
2.1	12.7	1013.6	900.0	13.5	2.9	206.3	22.2	9.8	19.9	296.1	310.5	5.2	48.6	3.0	31.
3.1	14.9	1249.6	875.0	10.2	1.9	207.5	24.1	11.1	21.4	295.1	308.8	5.0	56.0	4. 2	29.
3.9	16.9	1490.3	850.0	8.4	1.4	209.5	23.7	11.7	20.6	295.6	309.3	5.0	61.1	5.5	29.
4.6	19.2	1736.6	825.0	6.6	1.4	209.1	23.0	11.2	20.1	296.2	310.3	5 · 1	69.5	€.4	29.
5.2	21.3	1988.7	800.0	4.5	0.8	208.6	22.0	10.5	19.3	296.6	310.7	5.1	77-1	7. 3	23.
6.0	23.6	2246.4	775.0	1.8	0.3	210.9	24.1	12.4	20.7	296.3	310.3	5.1	90.3	6.3	29.
6.7	25.8	2510.1	750.0	-0.4	-0.5	209.6	24.8	12.2	21.5	296.8	310.3	4.9	99.0	9.4	23.
7.9	29.2	2781.0	· 725 · 0	-2.0	-2.Q	211.0	27.0	13.9	. 23.1	297.8	310.5	4.6	99.7	11.2	25.
8.8	30.7	3060.2	700.0	-2.7	-2.8	218.4	27.7	17.2	21.7	300.0	312.6	4.5	99.6	12.7	30.
9.8	33.2	3348.7	675.0	-302	-3.3	230.2	28.4	21.8	18.2	302.6	315.3	4.5	99.5	14.3	31.
10.7	35.7	3647.9	650.0	-3.8	-3.8	240.9	31.1	2702	15.1	305.3	318.0	4.4	99.5	15.7	34.
11.7	38. 2	3757.2	625.0	-5.3	-5-4	251.7	32.0	30.4	10.1	306.9	318.9	4.1	99.3	17. 6	37.
12.9	40.5	4277.9	600.0	-6.3	-6.4	263.0	29.8	29.6	3.6	309.3	321.0	4.0	99.1	19.3	42.
14.1	.43.5	4610.3	575.0	-7.8	-8.0	259.8	31.0	30.5	5.5	311.3	322.2	3.7	98.9	20.9	46.
15.3	46.4	4955.5	550.0	-9.4	-9.6	258.7	31.7	31.1	6.2	313.3	323.5	3.4	98.7	22. 9	49.
16.6	49.4	5314.2	525.0	-11-3	-11.6	262.6	29.2	29.0	3.7	315.1	324.3	3.0	9.7 • 6	25. 0	52.
17.9	52.3	5687.8	500.0	-13.3	-13.7	262.2	32.0	31.7	4.3	317.1	325.3	2.6	96.7	26.9	54.
19-1	55.3	6077.4	475.0	-15.4	-15.9	264.7	32.5	32.4	3.0	319.2	326.6	2.3	95.8	29.0	56.
20.4	58.4	6484.2	450.0	-18.1	-18.8	270.0	28.6	28.6	-0.0	320.7	326.9	1.9	94.3	31.2	59.
21.5	61.8	6909-1	425.0	-21.1	-22.1	266.5	29.1	29.0	1.8	322.1	327.1	1.5	91.6	33.2	61.
23.2	65. 2	7353.8	400.0	-24.8	-26.2	266.6	29.3	29.3	1.7	322.8	326.5	1.1	86.6	35.4	62.
24.8	68.7	7819.7	375.0	-28.8	-30.8	266.5	29.5	29+5	1.8	323.5	326.2	0.8	82.5	38.1	64.
26.4	72.3	8309.8	350.0	-32.7	-35.1	270.9	29.5	27.5	-0.5	324.6	326.5	0.5	79.0	40.5	56.
28.1	76.3	8827.0	325.0	-37.1	-39.6	268.0	36.0	36.0	1 • 3	325.5	326.9	0.4	77.4	43.6	
29.9	80.4	9375.0	300.0	-42.0	99.9	276.1	29.0	28.8	-3.1	326.2	999.9	99.9	999.9	46.8	
31 • 8	84.B	9956• 9	275.0	-47.6	99.9	272.4	31.8	31.7	-1.3	326.2	999.9	99.9	999•9	49.7	71.
33.8	89.2	10579.2	250.0	-52.9	99.9	274.2	35.3	35.2	-2.6	327.4	999.9	99.9	995.9	53 6	
35•8	94.4	11249.2	225.0	-59.1	99.9	270.8	34.2	34.2	-0.5	327.9	999•9	99.9	999.9	57.3	
37.8	99.5	11978.7	200.0	-64.5	99.9	268.2	36.5	36.5	. 1.1	330 <sub>0</sub> 7	999.9	99.9	999.9	61.6	
40.2	105.3	12791.3	175.0	-64.9	99.9	280.0	40.4	39.8	-7.1	342.9	999•9	99.9	999.9	67.0	
43.0	111.7	13756.8	150.0	-58.0	99.9	297.6	32.2	28.5	-14.9	370.2	999.9	99.9	999.9	72.7	
46.6	119.0	14903-1	125.0	-57.6	99.9	295.8	26.4	23.8	-11.5	390.7	999.9	99•9	999.9	78.0	
51.1	127.5	16299.1	100.0	-62.0	59.9	289.8	28.3	26.6	-9.6	407.9	999.9	99.9	995.9	86.0	
56.5	137.0	18072-5	75.0	-62.7	99.9	286.1	17.9	17.2	-5.0	441.5	999.9	99.9	999.9	90.9	
64.5	147.5	2060 9.3	50.0	-57.4	99.9	38.6	4.3	-2•7	-3.4	508.4	999.9	99.9	999.9	93. 3	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 528 BUFFALC. N Y

### 23 APRIL 1975 2315 GHT

GMT 138 55. 0

								and the second of the second								
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SFC	DGK	DG K	GM/KG	PCT	KM	DG	-1
0.0	5. 7	218.0	985.8	18.9	7.7	210.0	7.3	3.6	6.3	294.1	312.1	6.7	48.0	.0.0	0.	
99.9	59.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.4	6-5	312.6	975.0	18.9	1.3	182.6	12.3	0.5	12.3	294.8	306.7	4.3	30.8	0.3	2.	
1.1	8.5	534.8	950.0	17.1	-0.0	182.6	12.4	0.6	12.4	295.1	306.2	4.0	31.3	0.7	2.	
1.7	10.6	761.6	925.0	15.6	1.2	190.4	10.9	2.0	10.8	295.8	309.3	4.5	37.8	1.2	- 3•	
2.5	12.6	993.1	900.0	13.6	0.7	203.8	12.3	5.0	11.3	296.2	308.6	4.5	41.2	1.6	7.	
3.1	14.8	1229.6	875.0	11.7	-0.4	208.8	15.6	7.5	13.7	296.5	308.3	4.2.	43.2	2.2	12.	
4.0	16.8	1471.0	850.0	9.2	-0.9	214.4	17.4	9.8	14.4	296.3	308.1	4.2	49.3	3. 0	18.	
4.9	15.1	1717.5	825.b	6+8	-1.5	219.2	17.9	11.3	13.8	296.3	307.9	4.2	55.5	4.0	22.	
6.0	21.2	1969.5	800.0	4.7	-1.3	217.1	18.0	10.8	14.4	296.8	308.9	4.4	64.9	5.1	27.	-
6.8	23.5	2227.4	775.0	2.3	-1.3	220.0	19.3	12.4	14.8	296.9	309.3	4.5	76.8	6.0	ze.	
7.5	25.7	2491.7	750.0	0.1	-1.3	220.1	20.2	13.0	15.5	297.3	310.2	4.6	90.2	6.8	30.	
8.2	28.1	2762.5	725.0	-2-1	-2.2	220.2	20.8	13.4	15.9	297.7	310.2	4.5	99.2	7.7	31.	
8.9	30.5	3040.9	700.0	-3.9	-3.9	219.7	20.9	13.4	16.1	298.7	310.3	4.1	100.3	8.5	32.	
. 9.7	33.0	3327.6	675.0	-5-1	-5-1	220.2	21.0	13.6	16.1	300.4	311.5	3.9	100.1	9. 5	33.	
10.4	35.4	3624.3	650.0	-6.2	-6.2	222.5	21.6	14.6	15.9	302.4	313.0	3.7	100.3	10.4	33.	
11.3	37.9	3930.3	625.0	-8.3	-8•3	222.9	23.6	16.1	17.3	303.4	313.0	3.3	101.3	11.5	34.	
12.3	40.5	4246.4	600.0	-10.3	-10.3	225.1	28.3	20.1	20.0	304.6	313.2	2.9	101.0	13.0	35.	
13.2	43.2	4574.4	575.0	-10.4	-10.4	235.6	28.7	23.7	16.2	308.2	317.2	3.0	101.0	14. 7	37.	
14-1	46.0	4916.7	550.0	-11.1	-11-1	253.1	23.9	22.9	609	311.3	320.3	3.0	100.9	16.0	39.	
15.3	49. 3	5273.7	525.0	-12.6	-12.9	265.5	22.2	22.1	1.7	313.5	321 • 8	2.7	97.8	17.2	4 3.	
16.3	51.8	5644.9	500.0	-14.8	-15.2	264.1	20.0	19.9	2.0	315.2	322.5	2.3	97.2	18.2	46.	
17.3	54.8	6031.6	475.0	-17.4	-17.8	258.8	17.8	17.5	3, 5∵	316.6	322.9	2.0	96.5	19.1	43.	
18.5	57.9	6434.7	450.0	-20-2	-20.8	263.8	20.0	19.8	2 • 2	318.0	323.1	1.6	94.8	20.2	50.	-
19.6	61.1	6855.4	425.0	-24.1	-27.1	275.7	20.0	19.9	-2-0	318.1	321.3	1.0	76.6	21.3	52.	1
21.1	64.6	7295.8	400.0	-26.7	-33.2	274.6	24.0	23.9	-1.9	320.4	322.3	0.6	53.6	22.6	55.	
22.5	67.9	7758.6	375.0	-30.2	-37-1	275.9	25.4	25.3	-2.6	321.6	323.1	0.4	50.6	24.6	59.	
24.0	71.3	8246.0	350.0	-33.7	-39+8	283.1	25.0	24.3	-5.6	323.2	324.4	0.3	53.7	26. 2	62.	
25.6	75.3	2761.2	325.0	-37.8	-43.4	1279.2	25.9	25.6	-4-1	324.5	325.4	0.2	55.3	27.9	65.	-
27.0	79.3	9307.4	300.0	-42.4	99.9	266+5	30.0	30.0	1.8	325.7	999.9	99.9	999.9	30.2	67.	-
28+7	83.4	9889.1	275.0	-47.5	99.9	263.8	34.2	34.0	3. 7	326.5	999.9	99.9	999.9	33.3	69.	٠.
30.7	87.3	10511.5	250.0	-52.8	99.9	261.9	38.7	36.3	5.4	327.6	999.9	99.9	999.9	37. 6	70+	
33-1	92.5	11182.7	225.0	-58.4	99.9	263.0	43.6	43.3	5.3	329.0	999.9	99.9	999.9	43.2	72.	
35.6	97.6	11913.4	200.0	-64.1	99.9	265.0	38.1	38.0	3. 4	331.3	999.9	99.9	999.9	49.6	73.	
38.0	103.0	12734.3	175.0	-62.2	99.9	278.8	33.1	32.7	-5e i	347.3	999.9	99.9	999.9	54. 4	75.	
41.3	109.5	13694.8	150.0	-60.1	99.9	280.9	26+3	25.8	-5.0	366.6	999.9	99.9	999.9	59.4	78.	
45.3	116.0	14842.8	125.0	-57.0	99.9	280.5	37.6	37.0	-6.9	391.8	999.9	99.9	999.9	66.3	80'•	*
50.7	124.3	16268.0	100.0	-55.9	99.9	298.9	27.5	24 - 1	-13.3	419.7	999.9	99.9	999.9	74.5	84.	
56.8	133.5	18068.9	75•0	-61-2	59.9	303.6	14.8	12.3	-8.2	444.5	999.9	99.9	999.9	80.5	87.	
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	95.9	999.9	99.9	999.9	999. 9	9994	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	9990	

<sup>\*</sup> RY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC HEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532 PEORIA. ILL

153 21. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	ÐG	M/SFC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	7.3	200:0	983.4	20.6	16.2	180.0	7.3	0.0	7.3	296.8	328.1	11.9	76.0	0.0	0.
99-9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.3	274.5	975.0	20.9	16.6	198.5	14.8.	4.7	14.0	297.9	330.3	12.3	76.0	0.3	11.
1.1	10.5	499.1	950.0	18.7	15.9	203.9	14.9	6.0	13.6	297.8	329.6	12.1	83.5	0.8	16.
1.5	12.5	727.9	925.0	16.7	14.9	212.5	15.9	8.6	13.4	297.9	328.7	11.6	89.2	1.4	22.
2.5	14.9	961.0	900.0	14.7	13.5	222.6	16.2	10.9	11.9	298.1	327.1	10.9	92.9	2.1	26.
3.3	17.0	1199-5	875.0	13.3	12.3	234.2	16.5	13.4	9.7	299.0	326.6	10.3	93.6	2.8	33.
4.2	19.4	1443.9	850.0	12.2	10.9	243.0	14.3	12.7	6.5	300.2	326.4	9.7	92.0	3.6	39.
5.0	21.6	1694.2	825.0	10.7	8.7	241.3	16.3	14.3	7.8	301.1	324.6	8. 6	87.4	4.3	43.
5.5	24 • 1	1950.6	800.0	9.2	7.8	240.3	15.0	13.0	7.4	302.0	325.0	8.4	91.5	4.9	
6.5	26.4	2213.7	775.0	7.5	6.1	236.3	14.0	11.6	7.8	302.9	324.0	7.7	90.7	5. 6	47.
7.4	28.9	2483.6	750.0	6.1	4.1	233.3	12.6	10.1	7.6	304.1	323.3	6.9	87.1	6.3	48.
8.1	31.5	2761.2	725.0	4.3	2.7	230.6	11.3	8.7	7.2	305.1	323.2	6.5	89.3	6.9	4 B •,
9.1	34.1	3046.4	700.0	2.7	-0.3	231.4	12.2	9.5	7.6	306.2	321.5	5.4	80.5	7.5	48.
10.0	36.6	3341.0	675.0	2.1	-12.1	239.5	15.9		8• 1	308.2	315.1	2.3	34.6	8.2	48.
10.9	39.3	3644.6	650.0	0.4	-19-4	244.1	20.0	18.0	8 • 8	309.6	313.5	1.3	20.9	9.2	50.
11.9	41.9	3957.6	625.0	-2.2	-21.4	244.8	21.8	19.7	9.3	310.1	313.6	1.1	21.1	1 C. 4	52.
12.9	44.8	4280.1	600.0	-5.1	-21.2	246.6	20.6	18.9	8.2	310.3	314.0	1.2	27.0	11.7	53.
14.0	47.8	4612.3	575.0	-8.5	-20.7	246.2	20.3	18.6	8.2	310.2	314.2	1.3	36.4	13.0	55.
14.8	50.6	4955.2	550.0	-11.7	-20.5	247.6	19.8	18.3	7.5	310.4	314.7	1.4	47.7	14.0	55.
15.8	53 <sub>0</sub> 6	5309.3	525.0	-15.3	-20.4	248.8	21.0	19.6	7 • 6	310.2	314.7	1.4	64.6	15.1	57.
16.9	56.5	5675.6	500.0	-18.5	-21.2	249.7	22.0	20.6	7.6	310.6	315.0	1.4	79.7	16.6	58.
18.4	59.8	6056.3	475.0	-21.3	-26.2	251.4	24.2	22.9	7.7	311.7	314.7	0.9	64.7	18.5	59.
19.9	63.1	6452.7	450.0	-24.5	-50.5	250.8	21.2	20.0	7.0	312.5	315.0	0.7	64.3	20∙ 5	50.
21.2	66.4	6866.4	425.0	-27.8	-32.7	248.7	24.9	23.2	9+1	313.4	315.3	0.6	62.8	22.1	61.
22.6	70.0	7299.4	400.0	-30.6	-34.5	251.3	30.9	29.3	9.9	315.3	317.0	0.5	67.9	24.6	62.
24.2	73.5	7755.6	375.0	-33.7	-38.5	263.1	26.9	26.7	3. 2	317.0	318.2	0 • 4	61.3	27. 4	64.
25.6	77.4	8236.1	350.0	-36.8	-40.6	261.6	28.9	28.6	4.2	319.0	320 • 1	0.3	67.3	29. 5	65.
27.1	E1 • 3	B746+0	325.0	-40.2	99.9	269.0	30.1	- 30.1	0.5	321.3	999.9	99.9	999.9	31.9	66.
28.7	85.3	9288.7	300.0	-43.1	99.9	270.2	31.8	31.8	-0.1	324.6	999.9	99.9	999.9	34.8	58.
30.6	89.5	9869.5	275.0	-47#6	99.9	273.6	36.9	36.8	-2.3	326.3	999.9	99.9	999.9	38•6	71.
32.8	94.3	10491.8	250.0	-53.2	99.9	279.4	41.3	40.B	-6.7	327.0	999.9	99.9	999.9	43.2	74.
35.2	99.2	11161.7	225.0	-58.7	99.9	270.1	39.1	39.1	-0.1	328.6	999.9	99•9	999.9	48.3	76.
37.5	104.3	11896.4	200.0	-61.2	99.9	264.2	44.3	4401	4.5	335.9	999.9	99.9	999•9	54a.3	77.
40.9	110.2	12733.8	175.0	-56.0	99.9	260.3	44.2	43.6	7.5	357.4	999.9	99.9	999.9	62.5	7.8
44.9	116.3	13713.9	150.0	-54.6	99.9	270.8	42.8	42.8	-0.6	376.0	999.9	99.9	999.9	71-1	75.
49.7	123.7	14867.9	125.0	-58-2	99.9	265.9	37.5*	37.4	2.7	389.6	999.9	99.9	999.9	80.8	81.
55.6	131.3	16276.4	100.0	-57.1	99.9	266.1	24.0*	23.9	1.6	417.4	999.9	99.9	999.9	91.9	81.
62.3	139.7	18052-6	75.0	-66.4	99.9	299.3	12.7*	11-1	-6.2	433.7	999.9	99.9	999.9	99.4	82.
72.4	148.3	20571.2	50.0	-58.4	99.9	259.7	9.3	9.2	1.7	505.9	999 <b>.</b> 9	99.9	999.9	102.7	83.
89.3	157.7	24990.9	25.0	-53.2	99.9	300.3	6.2	5.4	-3.1	632.1	999.9	99.9	999.9	105.0	84.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEME MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553 GMAHA. NEB

163 20. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE		
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	D G	
0.0	7.8	400.0	959.0	19.0	14.5	20.0	4.2	-1.4	-3.9	297.1	325.9	10.9	75.0	0.0	0.	
99.9	99.9	99.9	1000.0		99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.3	8.6	481.3	950.0	18.4	14.4	999.9	99.9	99.9	59.9	297.3	326.2	10.9	7707	999. 9	999.	
1.1	10.6	709.5	925.0	15.8	14.1	999.9	99.9	99.9	99.9	297.0	326.2	11-1	89.8	999.9	999.	
2.1	12.6	942.2	900.0	14.5	10.6	30.1	6.1	-3.0	-5.2	297.7	321.8	9.0	77.9		20t•	
2.9	14.9	1180.7	875.0	16.1	8.0	18.9	3.6	-1.2	-3.4	301.6	322.8	7.7	. 58.5			
3. 9	16.9	1427.1	850.0	15.4	-0.3	10.3	3.1	-0.6	-3.1	302.9	315.5	4.4	34.3		205.	
4.9	19.2	1679.2	825.0	13.6	-1.1	339.2	5.6	2.0	-5.2	303.5	315.8	4.3	36.2		139.	
5.9	21.4	1937.7	800.0	12.2	-4.2	318.3	6.8	4.5	-5.1	304.6	314.8	3.5	31.4		198.	
6.9	. 23.5	2232.9	775.0	10.8	-5.3	293.2	7.6	7.0	-3.0	305.9	315.6	3.3	31.7		176.	
7.9	26.0	2474.9	750.0	e • 5	-7.4	295.5	7.9	7.2	-3.4	306.2	314.9	2.9	31.7		105.	
8.9	28.5	2753.9	725.0	5.9	-8.8	294.2	7.7	7.0	-3.2	30c.3	314.4	2.7	33.6		157.	
10.0	31.1	304C.1	700.0	3.7	-10.0	295•2	7.4	6.7	-3.2	306.9	314.5	2.5	35. A		149.	
11.2	33.7	3334.2	675.0	1.4	-10.9	281.5	8.1	7.9	-1.6	307.5	314.9	2.5	39.4		145.	
12.3	36.2	3636.7	650.0	-1.0	-11.8	266.2	12.0	12.0	0.8	308.2	315.4	2.4	43.6		137.	
13.4	38.9	3948.4	625.0	-3.6	-11.8	255.3	14.5	14.0	3.7	308.7	316.1	2.5	52•7		127.	
14.6	41.6	4269.6	600.0	-6.5	-12.9	249.5	16.1	15.1	5. 6	308.9	316.0	2.4	60.3	5.0		
15.8	44.4	4600.6	575.0	-9•6	-14.0	245.8	17.6	16.1	7. 2	309.0	315.9	2.3	70-1	5•9	107.	
17.1	47.4	4942.5	550.0	-11.9	-20.1	246.9	20.0	18.4	7.8	310.1	314.5	1.4	50.5	7-1	99.	
18.5	50.4	5296.8	525.0	-14.8	-27.0	251.5	19.8	18.8	6.3	310.7	31.3.3	0.8	34.3	8.6	93.	
19.9	53.5	5663.8	500.0	-18.1	-29.6	259.9	20.2	19.9	3.5	311.1	313.2	0.6	35.3	10.1	90.	
21.3	56.5	6045.1	475.0	-20.5	-33•1	266.8	21.5	21.5	1.2	312.6	314.3	0.5	31.1	12.0	9.0	
22.9	60.0	6443.1	450.0	-23.2	-40+1	265.6	23.9	23.8	1.8	314.1	315.0	0.3	19.4	14.0	89.	
24.6	63.4	6859-1	425.0	-26.5	-43.9	262-1	24.2	24.0	3.3	315.0	315.6	0.2	17.5	16.4	88.	
26.2	66.9	7295.4	400.0	-28.6	-46.1	265.1	28.7	28.6	2.5	317.8	318.3	0.1	16.6	19.1	88.	
28.1	70.6	7754.2	375.0	-32.4	-48.4	268.7	33.3	33.3	0.8	318.7	319.2	0.1	18.3	22.5	. 88.	
29.9	74.6	9237•1	350.0	-36.0	-48.5	263.8	36.2	36.0	3.9	320-2	320.7	0.1	26.0	26.3	87.	
31.8	78.7	8748.0	325.0	-39.9	99.9	265.5	38•2	38.1	3.0	321.7	999.9	99.9	999.9	30 • 6	87.	
33, 8	82.8	9299-1	300.0	-44.5	99.9	262-1	43.6	43.2	6.0	322.6	999.9	99.9	999•9	35.4	87.	
36.1	27.4	9866.6	275.0	-49.0	99.9	262.7	45+3	44.9	5-6	324.3	999.9	99.9	999.9	41.4	A6.	
38.3	92.4	10485.6	250.0	-53-5	99.9	262.1	50 - 1	49.6	6.9	326.5	999.9	99.9	999.9	47 · 8	85.	
40.6	97.5	11159.0	225.0	-56.6	99.9	261.6	49.3	48.8	7.2	331 • 8	999.9	99.9	999.9		85.	
43.4	103.2	11902.2	200.0	-50.7	99.9	262.4	47.5*	47.1	6.3	339.9	999.9	99.9	999.9 999.9	63.2 71.3	94.	
46.4	105.5	12743.B	175.0	-57.2	99.9	261.3	47.4*	46.8	7.2	355.5	999.9	99.9	999.9	79.9	934	
50.2	116.3	13720-4	150.0	-56.5	99.9	251.9	41.2*	39.2	12.8	372.e	999•9 999•9	99.9	999.9	90.2		
54.3	124.3	14879.9	125.0	-57.4	99.9	249-1	4101*	38•4	14.7	391.1	999.9	99.9	999.9	99.7	81.	
59.0	133.0	16290.8	100.0	-57.0	99.9	234.8	32.6*	26.6	18.8	417.6		99.9	999.9	109.5		
65.4	143.0	18056.6	75.0	-60.3	99.9	330.0	8.8*	4.4	-7.7	446.5	999 <b>.9</b>	99.9	999.9	110.8	80.	
73.0	152.7	20655.9	50.0	-54+5	99.9.	215.6	9.4*	5.5	7. 7	515.1		99.9				
85.8	166.5	. 25138.3	25.0	-50.3	99.9	50.4	6.1	-4.7	-3.9	640.3	999.9	99.9	999.9	108. 6	0.7 •	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562 NORTH PLATTE: NEB

# 23 APRIL 1975 2315 GMT

147 10. 0

	IME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTD	RH	RANGE	AZ
1	MIN		GFM	MB.	DG C	DG C	DG	M/SEC	MYSEC	M/SE.C	DG K	DG K	GM/KG	PCT	KM	DG
	0.0	14.3	847.0	908.2	23.9	6.2	120.0	7.2	-6.2	3.6	306.2	324.8	6.6	32.0	0.0	0.
9	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
	99.9	59.9	99.9	975.0	99.9	99.9	99.9	9949	99.9	99.9	99.9	999.9	99.9	999.9	999.9	979.
	99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	997. 9	999.
	99.9	59.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	909.
	0.2	15.0	926.0	900.0	22.0	8.5	999.9	99.9	99.9	99.9	305.3	327.0	7.8	41.9	999.9	999.
	1.3	17.2	1169.4	875.0.	19.3	6.9	999.9	99.9	99.9	99.9	304.8	324.8	7.2	44.5	999.9	999.
	2.1	19.6	1417.9	850.0	17.2	7.0	135.8	6.9	-4.8	5.0	305.1	325.9	7.4	51.1	1. 1	314.
	2.8	21.8	1671.7	825.0	14.7	5.5	146.0	6.9	-3.9	5.8	305.1	324.5	6.9	54.0	1 0 4	316.
	3.7	24.3	1931.3	800.0	12.3	4.0	149.0	4.5	-2.3	3.9	305.1	323.1	6.4	56.8	1.7	318.
	4.5	26.7	2196.5	775.0	10.0	2.7	167.9	5.6	-1.2	5, 5	305.4	322 • 4	6.0	60.5	1.9	320.
	5.2	29.3	2468.2	750.0	7.4	1.5	190.9	5.3	1.0	5.2	305.4	321.6	5.7	65.9	2. 1	324.
	6.0	31.9	2746.3	725.0	4.9	0.4	213.5	5.3	2.9	4.4	305.5	321.0	5.4	72.5		
	6.9	34.6	3031.6	700.0	2.0	-1.1	229.5	4.8	3.6	J. 1	305.4	319.9	5 · 1	79.8	2.3	335.
	7.8	37.1	3324.5	675.0	-0.2	-1.8	248.0	6.6	6.1	2. 5	306.0	320.4	5.0	89.2	2.4	342.
	8.9	39.9	J625.6	650.0	-2.6	-6.4	253.0	9•2	6.8	2.7	306.5	317.2	3.7	74.9	2. 4	354.
	10.0	42.4	3936.1	625.0	-4.6	-12.1	252.4	1105	11.0	3. 5	307.5	314.8	2.4	55.6	2.7	10.
4.4	11.5	45.4	4250.0	600.0	-7.4	-14.2	248.9	13.1	12.2	467	307.8	314.2	2.1	57.9	3. 3	25.
	12.7	48.4	4585.9	575+0	-9.9	-18.5	250-1	13.6	12.8	4.6	308.6	313.5	1.6	49.6	4.2	360
	14.0	-51.3	4927.5	550.0	-12.2	-25.1	252.2	14.2	13.5	4.4	309.6	312.5	0.9	33.2	5.0	43.
	15.1	54.4	5282.1	525.C	-13.9	-35.3	253 <sub>0.5</sub>	14.8	14.2	4.2	311.7	312.9	0.4	14.4	6.0	48.
	16.5	57.4	5551.2	500.0	-15.7	-34.4	259.6	14.6	14.4	2.6	313.9	315.3	0.4	18.5	7.0	5.2
	17.9	60.6	6036.1	475.C	-18.2	-32.4	258.7	14.3	14.0	2.5	315.4	317.2	0.5	27.5	8e I	57.
	19.4	64.0	6437.2	450.0	-21.1	-37.1	256.4	15.4	15.0	3.6	310.7	317.9	0.3	22.1	9. 3	590
4	21.0	67.4	6856.3	425.0	-24.6	-36.1	262.0	17.9	17.7	2. 5	317.5	318.9	0.4	33.1	10.9	62.
	22 · 6	70.9	7294.7	400.0	-28.1	-38.3	262.8	21.0	20.9	2.6	318.4	319.6	0.3	36.5	12.6	65.
	24.3	74.3	7754.7	375.0	-31.8	-41.7	261.5	22.0	21.8	3. 3	319.5	320.4	0.3	36.2	14.7	53.
	26.1	76.3	8238.3	350.0	-36.1	-46.6	259.9	23.0	22.6	4, 0	320.0	320.6	0.2	32.7	17.2	70.
- 3	27.9	82.0	8747.9	325.0	-40.3	99.9	255.7	27.0	26.2	6.7	321.1	999.9	99.9	999.9	19.7	71.
	29.9	66.2	9288-1	300.0	-45.2	99.9	250.5	29.2	27.5	9.7	321.7	999.9	99.9	999.9	23.2	71.
	31.7	50.6	9862.9	275.0	-50.2	99.9	246.9	33.6	30.9	13.2	322.6	999.9	99.9	999.9	26.6	71.
	33.6	95.3	10478.0	250.0	-55.6	99.9	244.4	37.5	33.8	16.2	323.4	999.9	99.9	999.9	30.5	70.
	35.7	100.0	11140.3	225.0	-60.0	99.9	247.2	36.6	33.8	14.2	326.6	999.9	99.9	999.9	35.1	69.
	38.6	105.3	11875.2	200.0	-60.2	99.9	248.1	32.9	30.5	12.2	337.5	999.9	99.9	999.9	41.8	69.
	41.4	110.8	12713.6	175.0	-57.2	99.9	248.9	36.7	34.3	13.2	355.5	999.9	99.9	999.9	47.8	69.
	44.5	117.0	13686.6	150.0	-57.4	99.9	249.1	29.3	27.4	10.5	371.3	999.9	99.9	999.9	54+1	69.
	49.5	124.0	14844.1	125.0	-54.2	99.9	245.4	26.8	24.4	11-1	396.9	999.9	99.9	999.9	61.6	59.
	53.0	131.3	16266.5	100.0	-58-1	59.9	245.9	26.6	24.3	1C.8	415.6	999.9	99.9	999.9	69.2	69.
	59.4	139.0	18095.1	75.0	-58.2	99.9	235.1	20.3	16.7	11.6	450.8	999.9	99.9	999.9	79.3	67.
	67.5	147.0	20640-1	50.0	-56.8	99.9	242.8	4.0	3.6	1.8	509.5	999.9	99.9	999.9	81.3	67.
- 4		155.0	25110.0	25.0	-50.2	99.9	276.1	2.5	2.5	-0.3	640.3	999.9	99.5	999.9	84.8	67.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 606 PORTLAND ME

15	GMT			166	15.	Ö

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	PH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	4/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.5	20.0	1021-4	. 9.4	-2,8	190.0	5 <b>⊕2</b>	1.1	6.1	281.2	289.3	3.0	42.0	0.0	0.
0.6	6.2	195.9	1000.0	10.0	-4.7	202.2	8.3	3.1	7.7	263.5	290.7	2.7	35.1	0.4	1.3.
1.3	8.7	406.1	975.0	10.1	-6.9	205.8	8.4	3.7	7.6	28546	292.1	2.3	29.5	0.9	18.
2.1	11.0	622-1	950.0	10.7	-10.2	214.8	6.7	3.8	5.5	288.3	293.5	1.9	21.9	1.1	22.
2.7	13.5	843.4	925.0	8.9	-11.4	231.2	5.4	4.2	3.4	298.6	293.5	1.7	22.5	1.4	25.
3.5	15.8	1069.2	900.0	7.0	-12.2	253.6	4.3	4.1	1.2	289.0	293.7	1.7	23.8	1.5	30.
4.2	10.4	1299.7	875.0	4.8	-12.6	267.5	4.0	4.0	0.2	288.9	293.7	1.7	27.1	1.5	35.
5.0	20.8	1534.9	850.0	2.6	-13.0	270.5	4.6	4.6	-0.0	289.1	293.8	1.7	30.5	1.8	40.
5.8	23.4	1775.2	825.0	0.3	-14.7	265.9	5.5	5.5	0.4	289.1	293.4	1.5	31.2	1.9	45.
6.5	26.0	2021.0	800.0	-1.4	-20.3	282.6	5.3	5.2	-1.2	289.8	292.6	0.9	22.0	2. 1	50.
7.3	28.7	2273.3	775.0	-3.1	-22.7	314.7	5.1	3.6	-3.6	290.6	293.0	0.5	20.3	2. 2	56.
8.2	31.5	2532.2	750.0	-403	-23.7	318.9	6.7	4.4	-5.0	292.0	294.3	0.7	20.1	2.2	64.
9.2	34.3	2798.5	725.0	-5.8	-23.7	310.8	8.4	6.4	-5.5	293.2	295.6	0.8	22.7	2.4	74.
10.2	37.0	3072.1	700.0	-7.9	-26.1	304.1	9.8	8.1	-5.5	293.8	295.8	0.6	21.5	2.8	83.
11.4	40.0	3355.2	675.0	-7.9	-28.2	303.4	11.3	9.5	-6.2	296.8	298.6	0.5	17.7	3.4	92.
12.3	42.8	3647.9	650.0	-9.5	-28.5	301.5	12.5	10.7	-6.6	298.3	300.1	0.6	19.3	4.0	97.
13.4	45.9	3949.6	625.0	-11.7	-29.3	299.2	13.3	11.6	-6.5	299.1	300 • 8	0.5	21.5	4.7	100.
14.5	49.0	4260.7	600.0	-14.6	-29.2	301.3	14.2	12.1	-7.4	299.2	301.0	0.6	27.5	5. 6	104.
15.5	51.9	4581.6	575.0	-17.2	-29.6	301.2	14.7	12.6	-7.6	299.8	301.6	0.6	33.9	6. 5	106.
16.6	55-1	4913.6	550.0	-18-1	-21.9	297.8	17.3	15.3	-6.1	302.7	306.4	1.2	71.9	7.4	108.
17.6	50.1	5260.7	525.0	-19.4	-20.7	296.7	19.6	17.5	-8.8	305.3	309.5	1.4	88.9	8.6	109.
18.9	61.6	5622-3	500.0	-21.3	-22.3	299.0	23.4	20.5	-11.4	307e2	311.1	1.3	91.3	10.2	110.
20.1	65.1	5999.2	475.0	-23.7	-24.8	302.4	25.4	21.4	-13.6	308.8	312.2	1.1	90.2	11.9	112.
21.4	60.6	6392.4	450.0	-26.3	-27.3	304.1	24.7	20.4	-13.8	310.2	313.1	0.9	91.6	13.9	114.
23.0	72.0	6803.5	425.0	-28.7	-31.0	306.9	29.4	23.5	-17.7	312.2	314.4	0.7	80.6	16.4	115.
24.5	75.9	7234.9	400.0	-31.9	-35.6	30764	29.0	23.1	-17.6	313,5	315.0	0.5	69.4	19.0	117.
26.3	79.8	7687.5	375.0	-35.6	-39.6	305.7	31.5	25.6	-18.4	314.4	315.5	0.3	66.4	22. 2	118.
28. 3	83.8	8164.7	350.0	-38.8	-42.5	J05.5	32.9	26.5	-19.1	316.3	317.2	0.3	67.8	26. 1	120.
30.5	88.0	8669.2	325.0	-42.6	99.9	307.0	37.3	29.8	-22.4	318.0	999.9	99.9	999.9	30.7	120.
32.9	92.6	9205.1	300.0	-46.3	99.9	310.5	40.9	31.1	-26.6	320.2	999.9	99.9	999.9	36. 2	122.
35.2	97.2	9750-1	275.0	-49.5	99.9	308.3	49.5	38.8	-30.7	323.6	999.9	99.9	999.9	42.6	123.
37.8	102.9	10396.4	250.0	-55.2	99.9	309.2	52.4	40.7	-33.1	324.1	999.9	99.9	999.9		124.
40+5	107.5	11061.7	225.0	-59.8	99.9	311.5	56.94	42.6	-37.7	327.0	999.9	99.9	999.9	58.0	125.
42.9	113.3	11794.9	200.0	-61.9	99.9	321.3	44.07	27.5	-34.3	334. €	999.9	99.9	999.9	66. 5	125.
45.5	119.5	12610.9	175.0	-66.5	99.9	303.7	32.1*	26.7	-17.8	340.2	999.9	99.9	999.9		127.
49.8	E .651	13576.9	150.0	-55.5	99.9	314.3	36.3*	26.0	-25. 3	374.6	993.9	99.9	999.9		127.
54.6	133.7	14740-6	125.0	-56.2	99.9	309.8	22.5	17.3	-14.4	393.2	999.9	99.9	999.9		127.
60.2	141.0	16154.6	100.0	-56.0	99.9	307.3	23.1*	18.4	-14.0	419.6	969.9	99.9	999.9	95. 9	
67.9	149.0	17985-8	75.0	-57.2	99.9	127.3	3.6+	-2.8	2. 2	453e1	999.9	99.9	999.9	104.4	
78.3	157.3	20579.1	50.0	-53.7	99.9	334.3	6.3	2.7	-5.7	517.1	999.9	99.9	999. 9	108. 3	
94.3	165.7	25045.1	25.0	-51.6	99.9	339.1	3.7	13	-3.5	636.8	999.9	99.9	999.9	110-0	126.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637 FLINT. MICH

153 15. 0

													•			
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ.	
MIN		GFM	MB.	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.2	236.0	977.3	13.9	12.6	210.0	8.7	4.3	7.5	290.2	314.9	9.6	93.0	0.0	0.	
99.7	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.1	5.4	256.0	975.0	13.9	12.5	211.1	9.9	5.1	Po 5	290.4	314.8	9.4	91.2	0.1	ۥ	
0.7	7.3	475.5	950.0	13.0	11.6	215.9	15.8	9.3	12.5	291.6	315.2	9.1	90.9	0.6	30.	
1 . 4	So 3	699.7	925.0	11.6	10.5	227.2	19.8	14.5	13.4	292.3	315.0	8.7	93.2	1.3	36.	
2.2	11.2	928.8	900.0	10-4	9.4	242.5	21.2	18.8	9.8	293.3	315.2	8.3	93.7	2. 2	43.	
2.9	13.3	1163.5	875.0	9.6	8.6	253.7	24.2	23.2	6.8	294.8	316+3	8 • 1	93.7	3. 1	51.	
3.6	15.2	1404.1	850.0	8.4	7.5	265.3	24.0	23.9	2.0	296.0	316.6	7.7	93.8	4.1	58.	
4.7	17.4	1651.0	825.0	7.0	6.1	274.5	21.4	21.4	-1.7	297.0	316.5	7.2	94.0	5.4	66.	
5.7	19.5	1903.9	800.0	5.4	4.5	270.3	24.6	24.6	-0.1	297.8	315.8	6.6	93.4	6. 6	72.	
6.6	21.5	2163.4	775.0	4.3	3.3	273.6	22.1 .	22.1	-1.4	299.2	310.6	6.3	93•7	7. 9	75•	
7.6	23.8	2429.9	750.0	4.2	-9.4	281.5	25•2	24.7	-5.0	301.4	309.5	2.5	36.7	9.1	79.	
6.5	25. 3	2736.4	725.0	4.9	-13.3	286.5	25.4	24.4	-762	305.1	310.9	1.9	25.3	10,5	82.	
9.5	26.2	2991.7	700.0	3.5	-23.7	289.7	26.0	24.5	-8.8	306.4	309.0	0 • 8	11.5	11.7	85.	
10.4	30.5	3285.5	675.0	1 • 5	-29.2	290.7	25.5	. 23.8	-9.0	307.4	369.1	0.5	8.0	13.1	86.	
11.4	33.5	3588.0	650.0	-0.7	-26+2	288.3	25.2	23.9	-7.9	308.2	310.5	0.7	12.4	14.4	90.	
12.3	35.5	3899.6	625.0	-3.4	-27.7	284.9	25.0	24.2	-6.4	308.6	310.6	0.6	13.2	15.9	. 35.	
13.4	38.1	4.220.4	600.0	-6.3	-26.6	281.4	25.6	25.0	-5.0	308.9	311.3	0.7	18.0	17.4	93.	
14.5	4C. 5	4551.6	575.0	-9.1	-26.5	278.9	24.8	24.5	- 3e 8	309.4	311.9	0.8	22. B	19.1	93.	
15.7	43.2	4893.6	550.0	-11.8	-31.5	276.2	25.3	25.1	-2.7	310.1	311.8	0.5	17.7	<b>20.</b> 8	94.	
16.9	46.3	5248.2	525.0	-13.9	-41.5	272.9	24.9	24.9	-1.3	311.6	312.3	0.2	7.5	22.7	34.	
18.2	49.0	5617-1	500.0	-16.1	-43-6	269.3	23.8	23.8	0.3	313,3	313.9	0.2	7.2	24.5	94.	
19.5	51.5	6001.5	475.0	-18.8	-45.3	264.9	25.0	24.9	2.2	314.6	315.1	0.1	7.6	26.4	93.	
20.6	54.6	6402.2	450.0	-21.6	-47.1	260.0	20.3	20.0	3.5	316.0	316.5	0.1	7.9	28.2		
22.0	57.9	6820.4	425.0	-25.0	-47.5	261.8	18.9	19.8	2.7	316.9	317.3	0.1	10.3	29.6	92.	
23. 3	61.0	7257.6	400.0	-28.5	-48.7	265.4	18.6	10.5	1.5	317.9	318.3	0.1	11.9	30.7	91.	
24 . 7	64.4	7716.8	375.0	-32.4	-52.6	272.2	27.6	27.5	-1-1	318.7	319.0	0.1	11.2	33.0		
26.3	67.9	8198.5	350.0	-36.6	-53.1	268.7	31.9	31.9	0.8	319.3	319.6	0.1	16.1	35. 8		
27.0	71.4	8707.7	325.0	-40, B	99.9	259 <sub>0</sub> 3	34.0	33•≜	6.3	320.5	999.9	99.9	999.9	38. 9		
29.6	75.3	9248.2	300.0	-44.4	99.9	240.6	34.2	29.5	16.8	322.€	599 <b>.9</b>	99.9	999.9	42.4	89.	
31 • 4	79.4	9626.3	275.0	-48.0	99.9	234.5	36.0	29.4	20∙ 8	325.7	999.9	99.9	999.9	45. 5		
33.4	e3.7	10447.9	250.0	-53.0	99.9	233.6	39.1	31+5	23.2	327.2	999.9	99.9	999.9	49.2		
35.4	66.5	11119.5	225.0	-58.1	99.9	239.4	37.7	32.5	19.2	329.4	999.9	99.9	999.9	53. 3		
37.7	93.2	11856.9	200.0	-58.6	99.9	249.0	35+8	33.4	12.8	340.0	999.9	99.9	999.9	58: 5		
40.3	98.6	12699.3	175-0	-55.9	99.9	263.8	43.7	43.5	4.7	357.7	599.9	99.9	999.9	63.9		
43.3	104.5	13682.6	150.0	-55.3	99.9	266•3	32.1	32.1	2, 1	374.€	999.9	99. 9	999.9	70.0	81.	
46.8	111.3	14846-9	125.0	-56.4	99.9	269.3	30.7	30.7	0.4	392.8	999.9	99.9	999.9	76.5		
50.8	119.0	16265.6	100.0	-57.0	99.9	275.8	29.2	29.0	-5.9	417.6	999.9	99.9	999.9	83.2		
56.1	128.7	18074.4	75.0	-61-1	99.9	273.8	20.5	20.4	-1.4	444.9	999.9	99. 9	999.9	57-1	83,	
62.9	139.5	20624.0	50.0	-56.6	99.9	324.1	6.9	4.0	-5.6	510.2	999.9	99.9	999.9	91.1	85.	
73.8	152.0	.25071.2	25.0	-52.0	99.9	278+1	10.1	10.0	-1.4	635.2	999.9	99.9	999.9	92• 7	86.	

<sup>\*</sup> RY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645 GREEN BAY. WIS

0

161 13. TIME CHTCT HE I GHT PRES TEMP DEW PT DIQ U COMP V CCMP POT T E PUT T MX RTO RANGE AZ SPEED RH GFM DG C M/SEC M/SEC DG K GM/KG PCT KM ÜĞ MIN MB DG C DG M/SEC DG K 979.0 313.5 69.0 0.0 0. 0.0 8.2 210.0 16.1 10.4 270.0 . 4.2 4.2 0.0 292.1 8.1 999.9 999.9 999. 99.9 99.9 99.9 1000-0 99.9 99.9 99.9 99.9 99.9 99. 4 99.9 99.9 999.9 244.9 975.0 313.7 0.1 35. 0.1 E. 6 16.0 10.3 276.2 5.3 5.2 -0.6 292.3 8.1 69.2 30. 465.0 -1.3 310.7 71.8 Ď. 3 0.9 10.5 950.0 13.2 6.3 280.6 7.2 7.1 291.6 7.3 309.3 0.7 97. 1.7 13.1 668.5 925.0 11.3 6.6 285.9 9.2 8.9 -2.5 291.7 6.6 73.0 2.5 15.4 917.4 900.0 9.4 6.9 291.3 10.2 9.5 -3.7 292.1 310.6 7.0 84.8 1.1 122. 3.3 17.8 1150.5 875.0 7.3 6.1 298.8 9.9 8.7 -4.8 292.2 310.2 6.8 92.3 1.6 105. 309.1 2.2 110. 4.2 20.3 1388.9 850.0 5.4 4.3 298.3 11.1 9.7 -5.2 292.6 6.2 92. 4 287.7 307.9 2.9 110. 5.1 22.6 1632.8 825.0 4.6 1.1 14.9 14.2 -4.5 294.1 5.1 78.9 3.8 110. 1885.7 290.6 312.1 6.1 25. 2 800.0 8.0 -1.8 15.9 14.9 -5.6 300.2 4.2 50.2 2147.4 775.0 -10.6 286.4 302.0 308.5 2.2 26.6 4.6 110. 6.9 27.6 7.3 16.2 15.5 -4.6 306.7 5.5 129. 7.8 30.3 2416.2 750.0 5.7 -18.1 287.6 16.8 16.0 -5.1 302.9 1.2 16.0 307.2 6.4 109. 33.0 2692.1 725.0 -18.1 285.4 17.1 -4.7 303.3 1.3 18.9 8.7 3.3 17.7 307.5 7.6 106. 35.6 2975.7 700.0 -20.1 201.8 -4.1 304.0 1.1 18.5 9.8 1.3 19.9 19.5 3266.9 675.0 -20.B 279.1 20.0 -3.2 304.5 307.9 1.1 20.6 8.7 177. 19.7 38.3 -1.1 20.2 278.3 308.1 10.1 116. 11.8 41.0 3566.4 650.0 -3.6 -22.1 20.0 19.5 -2.9 305.0 1.0 22.2 3875.2 625.0 281.0 305.9 308.5 0.8 20.6 11.3 105. 12.9 43.9 -5.8 -24.8 19.3 18.9 -3.7 309.8 14.0 46.9 4193.4 600.3 -8.6 -21.6 280.2 16.5 19.2 -3.3 306.3 1.1 34.0 12.6 175. 13.9 104. 15.2 5C. 0 4521.4 575.0 -11.6 -25.3 275. A 19.4 19.3 -2.0 306.5 309.2 0.8 31.0 277.4 -2.6 309.1 311.0 0.6 22.1 15.5 103. 16.5 52.9 4861.3 550.0 -12.7 -29.8 19.9 19.7 311.9 17.1 103. 17.8 55.9 5214.9 525.C -15.2 -31.3 279.0 20.6 27.4 - 3. 2 310.1 0.5 23.7 18.6 133. 5581.4 277.0 -2.5 312.2 0.3 17.9 19.2 59.1 500.0 -18.0 -36.7 20.8 20.6 311.1 312.2 0.0 20.4 102. 20.5 62.6 5962.6 475.0 -20.8 -63.2 271.1 20.4 20.4 -0.4 312.2 1.0 21.9 101. 21.8 65.8 6359.8 450.0 -24.0 -65.2 271.0 21.9 21.9 -0.4 313.0 313.1 0.0 1.0 23.2 6774.2 425.0 271.9 -0.8 314.6 0.0 24.0 100. 69.3 -26.9 -67.1 24.3 24.2 314.5 1.0 7208.4 400.0 277.5 25.6 -3.4 315.4 315.4 0.0 26.3 170. 24.8 72.9 -30.4 -69.5 25.8 1.0 26.4 76.7 7663.5 375.0 -34.4 -72.1 277.1 26.7 26.5 -3.3 316.0 316.1 0.0 1.0 28.7 99. 28.1 80.5 6141.9 350.0 -36.7 -74.9 274.9 26.9 26.8 -2.3 316.5 316.5 0.0 1.0 31.5 93. 30.1 8645.8 325.0 -43.3 99.9 272.8 29.6 29.6 -1.4 317.0 999.9 99.9 999.9 34.5 93. 84.6 9178.9 999.9 999.9 36. 4 16. 32.0 8e. 7 300.0 -48.5 99.9 272.9 32.2 32.2 -1.6 317.1 99.9 34 . 2 93.3 9745.3 275.0 -53.2 99.9 272.3 32.2 32 = 2 -1.3 318.2 599.9 99.9 999.9 42.5 98. 10353.6 -56.5 33.3 999.9 99.9 999.9 46.2 97. 36.3 95.0 250.0 99.9 264.1 33.1 3.4 322.1 11024.6 333.5 999.9 99.5 999.9 51 . 1 95. 33. 9 103.0 225.0 -55.5 99.9 256.9 35.0 34.1 7.9 41.4 106.5 11769.6 200.0 -57.6 59.9 259.1 34.3 33.7 6.5 341.5 999.9 99.9 999.9 56.4 94. 12619.8 175.0 99.9 261.5 360.1 999.9 99.9 999.9 67.1 92. 44.4 114.3 -54.4 36.9 36.5 5.5 47.9 120.7 13610.3 150.0 -53.0 99.9 267.6 33.6 33.5 1.4 378.8 999.9 99.9 999.9 69. 9 91. 76.7 91. 52.1 128.0 14785.4 125.0 -53.6 99.9 253.0 24.2 23.1 7.1 398.0 999.9 99.9 999.9 91. 999.9 84.7 56.7 135.6 16215.1 100.0 -55.5 99.9 272.2 25.7 25.7 -1.0 420.5 999.9 99.9 253.5 959.9 99.9 999.9 90.4 91. 63.2 144.0 18051.5 75.0 -56.8 99.9 3.7 3.6 lil 453.8 999.9 99.9 95.0 92. 72.0 153.3 20616.5 50.0 -55.2 99.9 57.7 5.1 -4.3 -2.7 513.5 999.9 999.9 97.0 35.

-50-4

99.9

21.9

25.0

85.6

163.3

25090.3

-0.2

-0.5

640.1

999.9

99.9

0.6

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654 HURON. 5 D

152 15. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEFD	U COMP	V CEMP	POT T	E POT T	MX RTO	∌ RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	CG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
3.0	9.0	392.0	962.4	13.9	5.3	30.0	4.2	-2.1	-3.8	291.0	306.5	5.8	56.0	0.0	0.	
99.9	99.9	99.9	8000.0	99.9	99.9	9909	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	1
99.9	69.9	99.9	975.0	99.3	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	99969	999. 9	999.	
0.3	9.9	501.1	950.0	12.2	4.9	233.4	10.6	8.5	6.3	290.3	305.5	5.7	61.0	0. 5	239.	
1.1	11.5	723.9	925.0	9.8	4.6	999=9	99.9	99.9	95.9	290 • 1	305.4	5.8	70.2	999. 9	999.	
1.9	13.7	950.9	900.0	7.7	5.1	999.9	99.9	99.9	99. 9	290.2	306.5	6.1	83.5	999. 9		
2.7	15.6	1182.6	875.0	5.5	4.5	999.9	99.9	90.9	99.9	290.3	306.3	6.1	93.3	999. 9		
3.5	17.6	1419.2	850.0	3.6	3.4	16.7	3 • 1	-0.9	-3.0	290.9	306.2	5.8	97.2		175.	
4.2	19.7	1662.4	825.0	7.0	-18.4	349.1	2.2	0.4	-2.2	296.2	299.4	1.1	₹4.2		194.	
5.1	21.7	1915.4	800.0	6.9	-13,3	292.4	3.2	3.0	-1.2	298.8	304.0	1.8	23.0		186.	
5.9	24.0	2175.1	775.0	5.0	-12.0	273.8	4.3	4.3	<b>∞0.3</b>	299.4	305.2	2.0	27.9	-	175.	
6.9	26.0	2441.7	750.0	2.9	-11.1	271.3	5.8	5.8	-0.1	300.0	306.5	2.2	34.6		160.	
7.7	28.3	2715.5	725.0	1 • 1	-8.7	267.0	8.5	8.5	0.4	301.0	309.1	2.7	48.0		142.	
8.6	30.7	2976.9	700.0	-0.6	-12.9	266.4	10.0	10.0	0.6	302.1	308.1	₹.0	38.9		125.	
9.6	33.1	3256.4	675.0	-2.7	-17.7	271.2	10.3	10.3	-0.2	302.8	307.1	~_3 • ♦	30.3		114.	
10.6	35.5	3584.7	650.0	-4.7	-23.8	273.8	11.6	11.6	-0.5	303.8	306.5	0.9	20.7		110.	
11.6	37.9	3892.0	625.0	-6.6	-24.4	274.4	12.7	12.7	-1.0	304.9	307.7	0.9	23.3		106.	
12.7	40.5	4209.6	600.0	-6.9	-35.7	272.5	14.3	14.3	-0.7	305.6	307.1	0.4	11.5	_	104.	
13.8	43.0	4537.3	575.0	-11.5	-43.5	269.7	15.1	15.1	0. 1	306.4	306.9	0.1	5.0	5. 2		
15.0		4877.0	550.0	-13.0	-51.4	265.8	14.6	14.8	1.1	308.7	309.9	0.1	2.5	6.3	99.	
16.2	48.7	5229.4	525.0	-16.2	-42.3	260.6	15.3	15-1		= 308·9	309.5	0.2	8.4	7. 3	97.	
17.5	51.4	5594.5	500.0	-19.1	-44.2	264.1	15.7	15.7	1.6	309.7	310.2	0.1	8.7	8.5	94.	
16.7	54.4	5973.7	475.0	-22.7	-43,8	268.1	15.4	15.4	0.5	309.9	310.5	0.2	12.5	9. 6	94.	
19.9	57.4	6368.2	450.0	-25.5	-48.6	267.5	15.0	15.0	0.7	311.1	311.4	0.1	9.4	10.7		
21.3	60.6	6779.7	425.0	-29.4	-49.0	267.2	16.5	16.4	0.6	311.3	311.7	0.1	12.9	12.0	92.	
22.6	64.0	7209.6	400.0	-32.1	-56.7	26.5.7	17.3	17.2	1.3	313.2	313.4	0.0	6.6	13.3	92.	
24.3	67.4	7663.4	375.0	-34.7	-62.6	265.1	18.4	10.3	1.6	315.6	315.7	0. 1	4.0	15.2	91.	
25.8	70.9	8141.5	350.0	~38.6	-64.7	260.3	17-4	17.1	2.9	316.7	316.7	0.0	4.4	16. 8	90.	
27.5	74.5	8645.8	325.0	-42.9	99.9	261.5	20.5	20.3	3.0	317.6	999.9	99.9	999.9	18.6	89.	
29.2	78.8	9182.1	300.0	-46.0	99.9	267.7	20.7	20.7	0.8	320.6	599.9	99.9	999.9	20.7	89.	
31.1	63.0	9755.0	275.0	-50,3	59.9	267.9	21.9	21.8	0.0	322.4	999.9	99.9	999.9	23. 1	89.	
33.1	87.4	10370.2	250.0	-55.2	99.9	263.6	23.6.	23.7	2.7	324.0	999.9	99.9	999.9	25. 8	88.	
35. 3	92.4	11033.9	225.0	-60.7	99.9	261.4	25.7	25.4	3. 8	325.5	999.9	99.9	999.9	29.1	88.	
37.6	97.6	11765.7	200.0	-59.8	99.9	263.6	25•2	25.0	2.8	338.0	999.9	99.9	999.9	32. 7	57. 86.	
40.3	103.3	12609-1	175-0	-55.2	99.9	255.1	30.7	20.6	7.9	358.8	999.9	99.9	999.9	36.9		
43.4	110.0	13594.5	150.0	-54.9	99.9	265.5	23-1	23.0	1.8	375.5	999.9	99.9	999.9 999.9	42.3	35.	
47.1	117.0	14758.5	125.0	-53.8	99.9	256.2	26.3	25.5	6.3	397.6	999.9	99.9	999.9	47. 5 54. J	64. 63.	
51.6	125.5	16196.5	100-0	-53.3	99.9	246.9	24.8	22.6	9.7	424.9	999.9	99. 9 99. 9	999.9	62e 4	81.	
57.9	135.3	15051.5	75.0	-54.7	99.9	250.1	16.3	15.3 7.3	5.5	456•2 516•4	999.9	99.9	999.9	67.4	80.	
66.0	145.3	20641.1	50.0	-53.9	99.9	265.7	7.3		0.0	639.2	999.9	99.9	999.9	69.2		
78.1	156.0	25135.1	25.0	-50.6	99.9	112.6	3.5	-3.2	1.3	03702	77707	7767	AAAAA	2000	770	

<sup>+</sup> EV SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG • EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED • BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 655 ST CLOUD. MINN

### 23 APRIL 1975 2315 GMT

156 11. 0 PRES TEMP U COMP V CCMP E POT T MX RTO TIME CHTCT HE I GHT CLW PT DIR SPEED POT T RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT K4 DG 0.3 7.0 316.0 972.2 10.2 7.1 360.0 4.2 0.0 -4.2 286.5 303.4 6.5 81.0 0.0 0. 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 299.9 999. 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 59.9 99.9 99.9 0.3 173. 950.0 -0.6 -6.0 286.6 303.7 90.1 0.6 C. S 506.0 8.4 6.9 5.3 6.0 6.6 728.1 925.0 10.4 -1.0 -5.3 286.9 303.8 99.0 0.5 186. 10.7 C. 6 6.3 5.4 6.5 1.4 0.7 184. 952.7 900.0 17.5 -1.5 -4.8 287.3 303.1 6.0 100.6 2.1 12.5 4.9 4.9 5.0 1182.5 875.0 5.0 7.9 2.5 -0.3 -2.5 289.9 306.5 99.6 0.9 189. 3.0 14.9 5.1 6.3 3.0 16.8 1419.8 850.0 5.0 4.8 303.2 4.5 3.8 -2.5 292.2 309.2 6.4 98.9 1.0 181. 19.1 1663.3 825.0 3.0 2.3 321.1 5.1 3.2 -4.0 293.3 308-1 5.5 90.1 1.2 172. 4.6 21.1 307.6 1.4 169 5.3 1912.9 800.0 2.3 0.3 335.4 5.4 2.2 -4.9 294.2 4.9 86. B 23.5 2168.5 775.0 -0.3 -16.2 319.9 8.3 5.3 -6.3 293.7 297.2 1.2 24.8 1.7 165. 6.3 7.1 25. € 2431.6 750.0 1.6 -20.9 317.2 9.5 6.4 -7.0 298.4 3C1 . 4 1.0 16.8 2.2 159. 26.0 2704.5 725.0 1.5 -16.6 302.5 9.1 7.6 -4.9 301.3 305.7 1.4 24.5 2.7 154. 8.1 2986.5 700.0 -0.1 -13.3 294.1 11.3 10.3 -4.6 302.6 308 . 4 2.0 36.3 3.1 14B. 9.1 30.4 10.1 32.9 3276.5 675.0 -2.1 -15.6 290.6 13.6 12.7 -4.8 303.5 308.6 1.7 34.7 3.8 141. 3575.5 650.0 -4.4 -14.9 264.5 14.3 13.0 -3.6 304.2 309.8 1.6 43.4 4.5 135. 11.0 35.4 12.1 37. 9 3663.1 625.0 -6.7 -17.4 279.8 13.7 13.5 -2.3 305.0 309.7 1.6 42.1 5.2 130. 13.0 4200.6 600.0 -8.8 -20.4 276.9 12.2 12.2 -1.5 306.1 310 . C 1.3 38.4 5. 9 126. 40.5 4528.8 12.1 -2.4 306.7 310.4 1.2 42.0 6.6 123. 14.1 43.1 575.0 -11.4 -21.7 281.2 12.3 4867.9 265.3 13.0 12.5 -3.4 307.2 310.3 1.0 42.1 7.4 121. 15.2 46.0 550.0 -14.3 -24.3 16.4 5219.2 -32.a -3.8 308.8 310.4 0.5 22.4 8.4 119. 48.9 525.0 -16.3 284.2 15e6 15.2 17.7 51.5 5584.6 500.0 -19.1 -36.9 277.8 18.3 18.2 -2.5 309.8 310.8 0.3 18.8 9.6 117. 19.0 54.6 5964.1 475.0 -22.1 -38.9 272.3 20.0 20.0 -0.8 310.6 311.6 0.3 19.9 11.1 114. 20.4 57.6 6359.1 450e0 -25.5 -42.0 272.3 18.6 18.6 -0.7 311.2 311.9 0.2 19.5 12.6 111. 6770.5 271.9 18.5 -0.6 311.4 312.1 0.2 23.5 14.1 109. 21.8 61.0 425.0 -29.3 -43.5 18.5 15.6 107. 23.3 64.4 7200.4 400.0 -33.2 -43.5 271.7 19.4 19.4 -0.6 311.8 312.5 0.2 34.4 7649.5 375.0 -47.0 274.7 18.6 -1.5 311.8 312.3 0.1 36.1 17.4 106. 24.7 67.9 -37.6 18.6 999.9 18.9 105. 26.3 71.4 8121.2 350.0 -41.9 99.9 27003 17.7 17.7 -0.1 312.3 999.9 99.9 8619.5 325.0 -45.2 99.9 271.7 22.4 22.4 -0.6 314.4 999.9 99.9 999.9 20.8 103. 2709 75.3 999.9 999.9 23.3 102. 29.8 79.5 9150.4 300.0 -48.6 99.9 273-5 22.1 22.0 -1.3 316.9 99.9 26.1 101. 31.8 9717.6 275.0 -52.5 99.9 269.7 26.0 26.0 0.1 319.1 999.9 99.9 999.9 83.7 999.9 323.5 99.9 999.9 29.3 100. 33.9 88.2 10328.8 250.0 -55.5 99.9 271.9 23.0 23.0 -0.8 999.9 24.0 -0.6 328.3 999.9 99.9 32.4 99. 36,1 93.3 10995.3 225.0 -58.9 99.9 271.4 24.0 999.9 99.9 38.5 98.5 11736.7 200.0 -57.1 99.9 269.6 26.0 26.0 0.2 342.4 99909 36. I 98. 104.3 12584.3 175.0 -56.2 99.9 260.8 28.5 28.1 4.5 357.1 999.9 99.9 999.9 40.9 .97. 41.5 375.5 999.9 99.9 999.9 46.1 95. 44.7 110.8 13565.6 150.0 -54.9 99.9 256.8 23.7 23.1 5.4 118.0 396.8 999.9 99.9 999.9 52.2 93. 14733.4 125.0 -54.2 99.9 249.3 22.5 21.1 8.0 48.8 424.3 999.9 99.9 999.9 91. 260.6 59.3 53.4 126.3 16177.7 100.0 +53.6 99.9 19.9 19.6 3.3 999.9 99.9 999.9 259.5 18.0 17.7 3. 3 458.5 66.0 90. 59. 1 136.0 18017.4 75.0 -54-6 99.9 999.9 999.9 515.3 99.9 70.0 89. 299.2 67.0 146.0 20585.8 50.0 -54.4 99.9 7.7 6.7 -3.8

-52.4

25.0

78.6

156.3

25076.2

3.2

-4.7

634.4

507

325.7

99.9

999.9

99.9

999.9

73.4

910

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 662 RAPID CITY. S D

23 APRIL 1975

							2315 G	MT						42 511	Ö	
TIME	CNTCT	HEIGHT GFM	PRES	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP	. V CCHP	POT T DG K	E POT T DG K	MX RTD GM/KG	RH PCT	RANGE	A Z D G	
MI.A.		GFM	MB	. DG C	DG C	DG	M/SEC	M/SEC	MYSEC	DG K	DG K	GMYKG	PCI	F.M	טפ	
0.0	15.3	966.0	898.4	11.7	7.8	50.0	-6.2	-4.7	-4.0	294.7	314.5	7.4	77.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
9949	99. 9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	9949	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99. 9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.9	999. 9	999.	
0.8	17.3	1186.5	875.0	9.7	6.6	70.3	5.6	-5.3	-1.9	294.8	313.6	7.00	80.8	0.3	243.	
1.7	19.9	1426.8	850.0	7.7	6.5	77.3	4.0	-3.9	-0.9	295.1	314.4	7.2	92.5	0.6	248.	
2.5	22.0	1672.6	825.0	5.9	5.5	70.9	1.5	-1.4	-0.5	295.8	31404	6.9	97.2	0.7	25 O .	
3.3	24.5	1924.7	800.0	4.7	4.3	187.2	2.0	0.3	2.0	297.1	314.9	6.6	97.2	0.7	251.	
4.2	26.9	2183.6	775.0	3.6	3.1	188.7	5.6	0.8	5.5	298.5	315.5	6.2	96.3			
5.1	29.4	2450.3	750.0	4.6	-6.1	999.9	99.9	99.9	99.9	302.0	311.3	3.2	45.6	999. 9		
5.9	32.1	2726.1	725.0	3.2	-7+0	999.9	99.9	99.9	99.9	303.3	312.4	3.1	47.2	999. 9		
6.8≅	34.8	3009.5	700.0	1.0	-9.4	242.2	14.0	12.4	6.5	303.9	311.9	2.7	45.7	1.0	24.	
7.9	37.3	3300.8	675.0	-1.5	-9.0	244.2	12.0	10.8	5. 2	304.3	312.8	2.9	56·4	1.8	42.	
8.9	40-1	3600.0	650.0	-4.2	-11.0	246.4	13.0	11.9	5. 2	304.6	312.1	2.5	58.8	2.4	48.	
10.0	42.7	3907.8	625.0	-6.8	-18.7	250.7	14.1	13.3	4.7	304.8	309.1	1.4	38.6	3. 3	53.	
11.1	45. ô	4225.2	600.0	-9-1	-19.6	255.3	15.1	14.6	3.8	305.8	310-0	1.3	42.0	4.2	54.	
12.2	48.6	4553.1	575.0	-11.0	-27.2	255.9	16.1	15.6	3∙9	307-1	309.6	0.8	27.1	5.2	62.	
13,3	51.4	4893.2	550.0	-13.3	-36.0	999.9	99.9	99.9	99.9	308. J	309.4	0.3	12.7	9990 9		
14.5	54.5	5246.0	525.0	- 25.4	-42.0	999.9	99.9	99.9	99.9	309.9	310.6	0.2	8.4	999.9		
99.9	99. 9	99.9	500.0	99.9	99•9	9969	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	475.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999. 9		
99.9	99.9	99.9	450.0	99.9	99.9	99.9	99•9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999•9	999. 9		
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999•9	999. 9		
99.9	99.9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 3		
99.9	99.9	99•9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99. 9	99.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	59.9	99.9	275.0	99•9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99. 9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99•9	225.0	99.9	99•9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99. 7	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	59.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	-	
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	125.0	. 99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	59. 9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	-	
99.9	99.9	99.9	75.0	99.9	99•9	99.9	99•9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9 99.9	999.9	99.9	999.9 999.9	999. 9		
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99. 9	AA. A	77707	A40 A	44404	999.9	22.20	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

24 April 1975

0600 GMT

92-133

## STATION NG. 208 CHARLESTON. SC

24 APRIL 1975 600 GMT

						24		1975							
							600 G	MT					1 :	55 29.	0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTD	RH-	RANGE	AZ
MIN	J, J.	GPM	M8	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	км	DG
0.0	4.3	13.0	1023.4	17.8	14.5	170.0	4-1	-0.7	4.0	290.4	316.7	10.2	81.0	0.0	0.
0.6	6.0	212.2	1000.0	20.0	13.9	183.5	13.6	0.8	13.5	294.5	320.8	10.0	67.8	0.5	2.
1.4	8.2	430.2	975.0	18.3	12.5	171-1	13.1	-2.0	12.9	294.8	319.6	9.4	68.8	1.0	358.
2.1	10.3	652.4	950.0	16.0	12.0	179.1	13.5	-0.2	13.5	29447	319.3	9.3	77.2	1.6	357.
2.8	12.4	878.7	925.0	14.1	10.7	166.6	13.4	1.5	13.3	294.9	318.3	8.8	80.3	2.2	35€.
3.6	14.6	1109.7	900.0	12.4	9.0	195.1	12.8	3.3	12.4	295.4	316.8	8.0	79.2	2.8	1.
4.4	16.7	1345.9	875.0	11.3	4.7	197.3	11.7	3.5	11.2	290.3	313.1	6.2	64.3	. 3. 4	4.
5.2	19.1	1588-1	850.0	11.6	-2.4	220.0	9.8	6.3	7.5	298.8	309.5	3.8	37.4	3.9	7.
6.1	21.2	1837.4	825.0	10.8	-2.9	245.0	8.9	8.1	3.7	300.5	311.2	3.7	38.0	4.2	11.
6.9	23.6	2093-1	800.0	8 • 6	-0.5	263.3	7.7	7.7	0.9	300.9	313.9	4.6	52.8	4 . 4	16.
7.8	25.8	2354.9	775.0	6.5	1.3	276.9	7.7	7.6	-0.9	301.5	316.8	5.5	69.5	4.6	21.
8.8	28.4	2623.4	750.0	4.7	-2.9	282.7	9.0	8.8	-2.0	302.3	314.1	4.1	57.7	4. 7	27.
9.7	30.9	2899.5	725.0	4-1	-7.9	281.7	9.0	8.9	-1.6	304.4	312.9	2.9	40.9	4.8	33.
10.6	33,6	3184.6	700.0	3.1	-13.7	288.2	8.3	7.9	-2.6	306.1	311.9	1.9	27.8	. 5,∙ 0	38.
11.6	36.0	3478.3	675.0	1.6	-15.2	303.7	8.1	6.7	-4.5	307.7	313.0	1.7	27.2	5. 2	43.
12.7	38.7	3782.5	650.0	0.3	-0.4	317.3	9.1	6.2	-6.7	310.0	326.7	5.8	95.4	5. 2	49.
13.7	41-3	4096.8	625.0	-1.3	-1.8	318.9	9.1	6.0	-6.8	311.6	327.4	5.4	96.8	5.2	56.
14.8	44.1	4421.5	600.0	-3.4	-4.0	304.8	8.4	6.9	-4.8	312.7	326.8	4.8	96.0	5.3	62.
15.8	-47-1	4757.0	575 • 0	-6.0	-7.5	284.2	7.4	7.2	-1.8	313.4	324 • 8	3.8	89.3	5. 6	66.
16.9	50.1	5104.4	550.0	-7.7	-8.4	261.9	10.0	9.9	1.4	315.4	326.6	3.7	94.6	6• l	68.
18.1	53.0	5465-2	525 • 0	-9.7	-9.8	256.0	13.1	12.7	3.2	317.1	327.8	3.5	99.9	6.9	69.
19.3	56.0	5841.0	500.0	-11.5	-11.7	262.8	14.2	14.1	1.8	319.4	329.2	3.1	98.5	7.9	70.
20.7	59.3	6233.4	475.0	-13.5	-14.8	278.9	15.3	15-1	-2.4	321.5	329.6	2.5	89.8	9.0	73.
22.2	62.7	6643.2	450.0	-16.1	-20.1	279.6	17.6	17.4	-2.9	323.1	328.7	1.7	71.7	1.0+4	77.
23.7	66.0	7071.4	425.0	-19.2	-23.3	286.4	18.9	18.2	-5.3	324.4	329.0	1.4	70.2	11.9	80.
25-1	69.6	7519.8	400.0	-22.8	-26.8	290.2	22.8	21.4	-7.9	325.4	329.0	1.1	70.0	13.4	84.
26.7	73.1	7989.9	375.0	-26.2	-28-0	283.4	23.2	22.6	-5.4	326.9	330 • 4	1.0	84.7	15.6	87.
28.2	77-0	8485.2	350.0	-30.2	-33.3	280.5	19.4	19.0	-3.5	328.0	330.3	0.7	74.6	17.4	89.
29.9	80.9	9007.9	325.0	-34.5	-37.6	283.5	20.8	20.2	-4.8	329.0	330.7	0.5	73.4	19.4	90.
31.7	<b>es.</b> 1	9561.9	300.0	-39.3	99.9	289.6	22.8	21.5	-7.7	329.9	999.9	99.9	999.9	21.5	92.
33.4	89.4	10150.7	275.0	-44.8	99.9	294.9	26.0	23.6	-11.0	330.3	999.9	99.9	999.9	. 24.0	94.
34.9	94.2	10779-8	250.0	-50.8	99.9	295.9	26.3	23.7	-11.5	330.5	999.9	9969	999•9	26. 2	96.
36.4	99 <sub>0</sub> 0	11455.8	225.0	-57.4	99.9	304.6	27.0	22.2	-15.3	330.6	999.9	99.9	999.9	28 • 4	98.
40.3	104.2	12197.7	200.0	-59.8	99.9	303.6	35.9	29.9	-19.9	338.0	999.9	99.9	999.9	35.2	
44.2	110.0	13023.8	175.0	-62.5	99.9	299.8	37-1	32.2	-18.5	346.8	999.9	99.9	999.9	43.1	
48.5	116.0	13988.9	150.0	-58.4	99.9	296.9	25.4	22.6	-11.5	369.5	999.9	99.5	999.9	51.3	
£3•4	123.5	15118.3	125.0	-64.7	99.9	301.1	25.1	21.5	-13.0	377.9	999.9	99.9	999.9	58. 6	
59.8	131.3	16467.7	100.0	-65.8	99.9	289.7	13.8	13.0	-4.6	393.0	999.9	99.9	999.9	65.5	
68.4	140.0	18172.8	75.0	-69.9	99.9	251.7	6.0	5.7	1.9	426.4	999.9	99.9	999.9	72.2	
82.1	149.5	20630.5	5C.0	-61.9	99.9	338.9	6-1	2•2	-5-7	497.6	999.9	99.9	999.9	760 9	
59.9	99 <b>.</b> 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 211 TAMPA. FLA

24 APRIL 1975 530 GMT

161 11. 0 TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U. COMP V CCMP POT T E POT T MX RTO RH RANGE AZ GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN 293.3 71.0 0.0 4.5 8.0 1022.4 20.6 15.2 110.0 -3.9 1.4 321.1 10.7 0.0 0. 4 . 1 1000.0 20.3 115.4 11.7 -10.5 5.0 294.9 323.4 10.9 72.0 0.4 292. 0.8 199.9 15.1 6.4 295.7 1.0 297. 1.6 E. 7 418.5 975.0 19.2 12.0 126.3 13.1 -10.6 7.7 319.8 9.1 63.1 1.6 3024 641.5 950.0 18.1 131.2 11.9 -8.9 7.8 296.7 318.4 8.1 58.7 2.5 10.9 9.9 53.8 2.3 304. 3.4 13.3 869.4 925.0 . 16.6 7.2 127.9 9.5 -7.5 5.8 297.2 315.9 6.9 298.9 313.9 42.6 2.7 305. 4.3 15.7 1102.4 900.0 16.1 3 - 3 130.0 5.0 -3.9 3.2 5.4 -0.8 5.2 18.1 1341.7 875.0 15.7 1.9 118.9 0.9 0.4 300.7 314.9 5.0 39.7 2.8 305. 6.1 20.5 1586.9 850.0 13.5 5.5 62.7 1.8 -1.6 -0.8 301.1 319.6 6.7 58.4 2.8 304. 7.0 23.0 1837.5 825.0 11.7 5.0 38.7 2.1 -1.3 -1.6 301.8 320.3 6.7 63.6 2.9 302 25.5 2094.4 800.0 9.6 2.8 61.0 2.1 -1.8 -1.0 302.2 318.6 5. 9 62.5 2. 9 30C. 8.0 23.1 3.0 298. 9.0 28.1 2357.2 775.0 8.6 -11.2 82.0 2.1 -2.1 -0.3 303.3 309.6 2.1 305.9 3.1 297. 10.0 30. 3 2627.9 750.0 -19.4 48.5 2.5 -1.9 -1.6 309.4 1.1 11.9 8.5 -3.6 308.4 311.7 3.1 292. 11.2 23.6 2907.6 725.0 8.0 -20.4 37.7 4.6 -2.8 1.0 11.2 -21.2 -3.2 -5.4 310.2 313.4 1.0 11.3 3.3 28€. 12.3 36.1 3196.0 700.0 6.9 31.1 6.3 3.4 279. 13.3 39.0 3494.0 675.0 -22.1 22.7 6.2 -2.4 -5.7 312.1 315.2 1.0 11.4 5.6 -23.5 -0.5 313.2 0.9 3.4 273. 14.5 41.7 3801.4 650.0 3.6 6.2 4.4 -4.4 316.1 11.6 15.6 44.8 4118.4 625.0 1.5 -25.0 356.8 4.7 0.3 -4.7 314.2 316.8 0.8 11.8 3.4 268 3.4 262. 16.8 47.8 4445.8 600.0 -0.2 -26.2 5.7 5.1 -0.5 -5.0 315.9 318.4 0.7 11.9 18.0 50.7 4785.0 575.0 -2.1 -27.5 336.4 4.3 1.7 -3.9 317.6 319.9 0.7 12.1 3.5 256. 19.3 53.9 5137-1 550.0 -3.1 -28.2 306.3 5.0 4.0 -3.0 320.5 322.8 0.7 12.2 3.3 251. 20.7 57.0 5504.5 525.0 -4.4 -29.2 295.8 7.3 -3.5 323.1 325.3 0.6 12.3 3.0 244. 8.1 2.6 229. 22.1 60.4 5886.6 500.0 -7.9 -26.9 297.6 10.1 9.0 -4.7 323.4 326.3 0.8 20.0 2.4 209. 23.6 63.9 6282.6 475.0 -11-4 -29.7 295.0 8.9 8.0 -3.7 323.9 326.3 0.7 20.2 2.4 192. 25.2 67.1 669407 450.0 -14.7 -30.9 289.4 7.8 7.4 -2.6 324.8 327.0 0.6 23.6 2.7 174. 26. 3 70.8 7125-4 425.0 -17.4 -38.5 283.4 7.7 7.5 -1.8 326.7 327.8 0.3 13.8 28.7 74.5 7576.8 400.0 -20.2 -40-0 289.9 9.8 9.2 -3.3 328.7 329.7 0.3 15.1 3.0 158. 30.5 78.5 8051.7 375.0 -23.7 -35.8 306.5 14.1 11.3 -8.4 330.1 331.9 0.5 31.9 4.1 147. 32.4 82.3 9552.4 350.0 -27.4 -42.8 302.9 17.3 14.5 -9.4 331.8 332.7 0.2 21.2 5.8 140. 34.4 £6.5 9080.6 325.0 -32.2 -46.7 306.3 17.6 14.2 -1064 332.2 332.8 0.2 22.0 7.9 136. 36.9 91.0 9639.7 300.0 -36.7 -46.5 312.8 21.1 15.5 -14.3 333.5 334.3 0.2 35.3 10.8 134. 39.2 95.7 10235.9 275.0 -42.1 99.9 313.6 19.9 14.4 -13.7 334.3 999.9 99.9 999.9 13.7 134. 41.8 100.5 10873.5 250.0 -47.3 313.4 17.3 -16.3 335.7 999.9 99.9 999.9 17.0 134. 99.9 23.8 44.7 105.9 11560.8 225.0 -53.3 99.9 315.7 25.9 10.1 -18-5 336.9 999.9 99.9 999.9 21.3 134. 47.8 111.5 12309.1 200.0 -59-2 99.9 313.7 31.5 22.8 -21.8 339.1 999.9 99.9 999.9 26.8 134. 999.9 51.0 117-5 13135.1 175.0 -64.6 99.9 317.1 31.0 21.1 -22.7 343.3 99.9 999.9 32.6 135. 999.9 54.6 124.3 14087.8 150.0 -61.4 99.9 309.7 20.8 16.0 -13.3 364.3 99.9 999.9 38.1 135. 59.2 131-3 15208-2 125.0 -66.1 99.9 294.3 19.3 17.6 -8.0 375.4 999.9 99.9 999.9 43.4 133. 999.9 999.9 48.2 132. 64.3 138.5 16548.9 100.0 -71.5 99.9 293.4 9.4 8.6 -3.7 389.7 99.9 75.0 999.9 999.9 50.4 131. 70.5 145.5 18228.2 -72.7 99.9 332.3 3.2 1.5 -2.8 420.5 99.9 79.6 153.0 -2.6 -1.1 999.9 99.9 999.9 51.7 132. 20666.9 50.0 99.9 65.7 2.8 500.0 -60.9 160.0 25076.1 -10-1 633.7 999.9 99.9 999.9 53.0 135.

-52.5

99.9

82.5

25.0

93.2

-1.3

10.2

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE SETWEEN 6 AND 10 DEG

<sup>#</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED HEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

1975

24 APRIL

600 GMT 164 12. DEW PT PRES TEMP SPEED. U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT HEIGHT DIR GFM DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN MB 12.5 170.0 44.0 1017.4 20.3 17.5 4.1 -0.7 4.0 293.7 326.0 84.0 0.0 0. 0.0 3.3 293.1 322.1 999.9 999. 99.9 11.2 82.9 0.4 4.7 192.8 1000.0 18.5 15.5 959.9 99.9 99.9 294.7 322.6 999.9 999. 1.1 6.5 410.4 975.0 18.0 14.4 999.9 99.9 99.9 99.9 10.7 79.5 295.3 320.2 74.2 995. 9 999. 1.7 8.7 632.7 950.0 16.7 12.1 995.9 99.9 99.9 99.9 9.4 320.4 925.0 999.9 99.9 99.9 99.9 297.1 8.7 69.3 999.9 999. 2.5 1C.7 860.2 16.2 10.6 900.0 99.9 298.6 320.8 8.2 66.0 999.9 999. 3.3 12.9 1093.4 15.6 9.3 999.9 99.9 99.9 875.0 999.9 99.9 99.9 299.5 318.8 7.1 60-2 999.9 999. 1332.2 14.3 6.7 99.9 4.1 15.1 235.7 301.2 319.3 6.5 57.0 . 2.7 349. 850:0 3. € 4.9 17.2 1576.9 13.5 5.2 6.5 5.3 4.7 825.0 0.3 218.6 3.5 302.3 315.7 43.4 2.8 356. 1827.8 12.4 5.6 4.3 5.8 19.6 205.5 302.5 313.2 3.7 38.0 3.1 358. 2084.8 800.0 10.2 -3.6 2.4 5.1 6.7 21.7 5.6 7.6 2347.9 775.0 -23-6 233.8 3.5 2.6 303.4 306.0 0.8 9.0 3.3 1. 24. 2 8.8 4.3 750.0 -42-7 291.5 -1.3 305-6 306.0 0.1 1.3 3.4 4. 8.4 26.5 2618.4 8.3 3.6 3.3 9.2 2897.2 725.0 -9.4 339.0 1.9 -4.9 307.1 315.0 2.6 31.2 3.2 7. 29.1 6.6 5.2 -5.9 308.6 323.0 5.0 63.8 2.9 9. 10.1 31.7 3185.1 700.0 4.0 -1.3 346.7 6.0 1.4 10.9 34.4 3481.2 675.0 3.2 -1.2 338.7 6.0 2.2 -5.5 310.0 325.2 5.2 72.8 2.6 12. 11.8 37.0 3786.1 650.0 0.4 -3.4 329.1 6.9 3.6 -5. 9 310.0 323.5 4.6 75.5 2.4 16. 625.0 6.6 310.1 324.2 4.8 94.9 2. 1 27. 12.9 39.9 4099.8 -2.6 -3.3 308.5 8.5 -5.3 327.8 2.3 600.0 283.2 10.3 10.1 -2.4 314.4 4.5 81.3 43. 13.9 42.6 4424.4 -1.9 -4.9 1.3 316.3 320 . 6 25.4 2.8 55. 15.0 45.6 4762.6 575.0 -3.3 -20.3 269.7 10.5 10.5 0.0 322.7 2.0 550.0 11.1 11.1 -0.9 316.4 47.6 3.4 61-16.2 48.8 5112.3 -6.6 -16.0 274.6 525.0 317.6 328 . 1 95.1 68. 10.8 -3.3 3.4 4.1 17.3 51 . 8 5474.1 -9.3 -10.0 286.8 11.3 4. 7 297.7 -5.6 319.1 328.5 3.0 95.7 76. 5850.3 500.0 -11.7 -12.2 12.1 10.7 18.5 55. L 329.1 93.4 5.4 -3.2 321.0 82. 19.7 58.4 6242.1 475.0 -14.0 -14.8 283.5 13.8 13.5 2.6 322.9 329.4 2.0 84.8 6.6 94. 21.0 61.9 6651.2 450.0 -16.3 -18.3 268.3 16.4 16.4 0.5 1.6 81.9 8.0 22.3 65.5 7079.4 425.0 -19.3 -21.0 267.0 18.9 18.9 1.0 324.4 329.7 84. 88.4 279.7 -3.6 325.3 329.8 1.3 9.8 86. 23.9 69.3 7527.0 400.0 -22.9 -24.3 21.4 21.1 -27.7 282.3 22.0 21.5 -4.7 326.3 329.9 1.0 91.3 12.0 89. 25.6 73.2 7996.7 375.0 -26.7 328.6 330 .6 0.6 62.6 14.2 91. 278.4 19.6 -2.9 27.4 77.5 8492.0 350.0 -29.8 -34.6 19.8 329.8 92. 20.7 331.0 0.3 51.1 16.4 29.2 82.0 9016.1 325.0 -34-0 -40.5 282.1 21.2 -4.4 331.0 331 .9 0.2 54.3 18.7 93. 22.1 -7.2 30.9 86. J 9571.6 300.0 -38.5 -44.3 287.9 23.3 99.9 999.9 21.6 96 33.0 293.1 27.8 25.6 -10.9 332.7 999.9 91.3 10163.4 275.0 -43.2 99.9 99.9 999.9 25.8 99. 335.4 999.9 35.4 96.4 10799.0 250.0 -47.6 99.9 256.6 31.2 27.9 -14.0 337.0 999.9 99.9 999.9 30.9 102. 38. 1 102.0 11485.3 225.0 99.9 302.1 33.3 28.2 -17.7 -53.2 301.4 337.5 999.9 99.9 999.9 36.4 105. 12231.7 99.9 -18.8 40.8 108-3 200.0 -60.2 36.1 30.8 -16.1 344.6 999.9 99.9 999.9 42.9 107. 43.8 114.5 13054.4 175.0 -63.8 99.9 294.1 39.5 36.0 999.9 99.9 999.9 49.5 109. 47.2 121.7 14004.2 150.0 -60.1 99.9 302.1 23.6 20.0 -12.5 366.6 999.9 55.8 109. 51.2 125.0 15133.1 125.0 -64.1 99.9 286.1 34.7 33.3 -9.6 378.9 999.9 99.9 99.9 295.4 18.9 17.1 -8.1 395.0 999.9 99.9 999.9 61.4 109. 55.9 137.0 16486.4 100.0 -68.7 99.9 234.3 4.2 2.4 428.4 999.9 9949 999.9 64.2 108. 61.8 145.0 18183.1 75.0 -68.9 3.4 70.1 153.3 302-1 6.9 5.9 -3.7 502.6 959.9 99.9 999.9 67.3 109. 20643.2 99.9 50.0 -59-8 96.3 999.9 99.9 999.9 68.9 111.

-52.7

99.9

25.0

63.5

162.0

25049.9

-4.6

0.5

633.1

4.6

<sup>\*</sup> BY SPEEC HEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 220 APALACHICOLA. FLA

24 APRIL 515 GMT

TIME	CATCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	PCT T	E POT T	MX RTO	RH	RANGE	A Z
MIN		GFM	мв	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DGK	GM/KG	PCT		DG
0.0	4.4	11.0	1021.0	18.1	13.4	140.0	1.0	-0.6	0.€	290.8	315.5	9.5	74.0	0.0	0.
0.8	6.2	191.7	1000.0	23.3	11.4	161.8	8.0	-2.5	7.6	297.6	320.4	8.5	47.2		333.
1.5	e. 7	412.2	975.0	21.9	11.9	168.0	8.9	-1.8	E . 7	298.4	322.6	9.0	53.0		340.
2.3	11.1	637-1	950.0	19.7	11.2	167.5	10.3	-2.2	10.1	298.4	322.1	8.8	57.9	1.1 3	34 3.
3.1	13.6	266.7	925.0	18.1	11.2	165.5	10.4	-2.6	10.0	299.1	323.5	9.1	63.8	1.6 3	345.
3.9	15.9	1100.8	900.0	15.8	9.5	165.1	11.3	-2.9	10.9	298.9	321.4	8.3	66.1	2.1 3	344.
4.7	18.6	1339.7	875.0	13.8	10.3	175.3	10.9	-0.9	10.9	299.3	323.8	9.1	79.3	. 2.7 3	345.
5.6	21.0	1583.7	e50.0	11.5	10.4	186.6	11.5	1.3	11.5	299.4	324.6	9.4	92.6	3.2 3	348.
6.5	23.7	1833.5	825.0	10.1	6.0	199.8	12.1	4.1	11.3	300.3	320 • 1	7.3	76.6	3.8 3	352.
7.3	26.1	2089.8	800.0	11.3	-43.0	217.8	8.0	4.9	€.3	303.2	303.6	0.2	1.0	4.33	356.
8.4	28.9	2354.3	775.0	10.6	-43.4	250.7	4.9	4.6	1.6	305.3	305.6	0.1	1.0	4.4	1.
9.4	31.8	2626.1	750.0	8.1	-3.8	286.6	3.3	3.1	-C.9	305.8	317-1	3.9	43.1	4.5	4.
10.3	34.6	2905.5	725.0	7.0	-7.3	341.8	3.2	1.0	-3.0	307.5	316.7	3.1	35.6	4.3	6.
11.3	37.3	3193.4	70C.0	5.9	-11.4	6.8	4.2	-0.5	-4.1	309.3	316.3	2.3	27.6	4.1	6.
12.4	40.3	3490.2	675.0	4.4	-31.1	356.4	4.7	0.3	-4.7	310.6	312.5	0.6	7.5	3.8	6.
13.4	43.0	3796.7	650.0	4.3	-22.9	340.2	5.7	1.9	-5.4	313.9	316.9	0.9	1107	3.6	7.
14.5	46.1	4114.9	625.0	2.6	-21.8	344.8	6.5	1.7	-6.3	315.6	319.3	1.1	15.5	3.2	11.
15.7	49.3	4443.8	600.0	0.3	-9.5	344.1	7.9	2.2	-7.6	316.8	326.4	3.1	47.6	2.7	15.
16.8	52.3	4783.2	575.0	-2.5	-13.7	339.7	9.6	3.3	-9.0	317.2	324.5	2.3	42.1	2.3	23.
18.1	55.4	5133.9	550.0	-5.8	-12.4	329.0	12.1	6.2	-10.3	317.6	326.0	2.7	59.6		43.
19.4	58.7	5497.7	525.0	-7.1	-14.6	323.2	12.8	7.7	-10.3	320.2	327.6	2.3	55.0	1.9	74.
20.7	62.3	5876.3	50 0 • C	-10.0	-16.3	321.9	11.8	7.3	-9.3	321.1	328.0	2.1	59.5	2.4	96.
21.9	65.7	6270,3	475.0	-12-5	-20.0	309.0	9.9	7.7	-6.2	322.7	328.1	1.6	53.4		106.
23.4	65.3	6680.9	450.0	-15.8	-23.9	296.5	11.6	10.4	-5.2	323.4	327.5	1.2	49.6	3.9 1	109.
24.8	72.8	7109.4	425.0	-18-7	-26.5	295•3	11.0	9.9	-4.7	325.1	328.6	1.0	50.1		110.
26.5	76.8	7558-1	400.0	-21.7	-29.3	293.1	10.0	9.2	-3.9	326.8	329.7	0.8	50.0	6.0 1	111.
28.2	80.7	8031.5	375.0	-24.1	-60.7	300.6	13.9	12.0	-7.1	329.7	329.9	0.0	2.9	7.21	12.
29.9	85.0	8530-5	350.0	-27.8	-67.7	296.8	17.9	16.0	-8.1	331.1	331.2	0.0	1.0	8.8 1	
31.7	85.0	9057.9	325.0	-32-4	-41.7	303.2	19.4	16.3	-10.6	332.0	333.1	0.3	38.6	10.9 1	
3328	93.8	9616.6	300.0	-37.3	-45.3	305.1	21.6	17.7	-12.5	332.€	333.6	0.2	42.5	13.4 1	
36.0	98.5	10211.2	275.0	-42.6	99.9	308.4	24.2	19.0	-15.0	333.6	999.9	99.9	999.9	16.3 1	
38.4	103.4	10847.4	250.0	-48.0	99.9	313.3	27.6	20.1	-18.9	334.7	999.9	99.9	999.9	19.9 1	
41.2	109-0	11533.0	225.0	-53.7	99.9	315.4	31.3	22.0	-22.3	336.2	999.9	99.9	999.9	24.6 1	
44.4	114.8	12281.4	200.0	-59.0	99.9	315.2	34.0	23.9	-24.1	339.3	999.9	99.9	999.9	30 • 5 1	
47.5	121.0	13107.3	175.0	-64.6	59.9	310.2	31.0	23.7	-20.0	343.4	999.9	99.9	999.9	36.4 1	27.
51.1	127.8	14055.2	15C. 0	-62.9	99.9	304.5	20.4	16.8	-11.5	361.7	999.9	99.9	999.9	42.2 1	
55.4	135-3	15172.7	125.0	-65.9	99.9	298.5	22.9	20.1	-10.9	375.6	999.9	99.9	999.9	47.7 1	
60.6	142.7	16513.5	100.0	-69.6	99.9	307.3	13.5	10.7	-8.2	393.3	999.9	99.9	999.9		26.
66-5	150.7	18213.4	75.0	-69.6	99.9	289.1	5.6	5.3	-1.8	427.1	999.9	99.9	599.9	55.1 1	
75.2	159.3	20671.5	50.0	-61.0	99.9	283.9	3.4	3.3	-0.8	500.0	999.9	99.9	999.9	57.0 1	27.
89.6	168.3	25085-1	25.0	-53.2	99.9	999.9	99.9	99.9	95.9	632.2	999.9	99.9	999.9	999.9 9	199.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE. ALA

24 APRIL 1975

514 GMT		165 13. 0

TIME	CNTCT	HEIGHT	PRES.	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	. M/SEC	DG K	DG K	GM/KG	PCT	KM.	DG	
0.0	5.8	140.0	1003.9	18.2	15.1	190.0	3.6	0.6	3. 5	292.5	320.5	10.8	82.0	0.0	0.	
0.2	6.2	173.6	1600.0	19.4	14.5	195.2	14.5	3.8	14.0	293.9	321.2	10.4	73.3	0.3		
1.0	€.6	391.8	975.0	18.6	16.2	193.3	15.1	3.5	1407	295.5	326.8	12.0	85.6	0.7	9.	
2.1	10.9	614.8	950.0	18.8	2.0	191.6	19.3	3.9	19.0	297.0	310.5	4.9	34.6	1.9	10.	
3.1	13.3	843.3	925.0	17.9	3.3	197.0	15.4	4 . 5	14.7	29863	313.0	5.3	38.0	3.0	12.	
4.2	15.7	1077.0	900.0	15.2	12.4	195.4	16.2	4.3	15.6	298.5	325.7	10.2	84.2	4.0	13.	
5.2	18.1	1315.5	875.0	13.6	10.9	196.0	13.3	3.7	12.7	299.2	324.5	9.4	83.4	4.9	13.	
6.3	20.5	1559-6	850.0	11.9	10.5	204.8	14.3	6.0	12.9	299.9	325.4	9.5	91.2	5. 7	14.	
7.4	23.0	1809.9	825.0	12.2	7.8	226.0	11.9	8.6	6.2	302.6	324.8	8.1	74.4	6.6	17.	
8.6	25.5	2068.5	800.0	12.2	3.2	233.0	10-1	8.1	6.1	305.0	322.0	6.1	54.2	7.2	20.	
9.9	28.1	2333.8	775.0	10.0	3.2	245.4	11.6	10.5	4.8	305.4	323.1	6.2	62.4	7.8	24.	
11.1	30.9	2605.6	750.0	8.0	1.0	243.3	11.2	10.0	5.0	306.0	321.7	5.5	61.0	8.5	28.	
12.5	33.6	2884.7	725.0	6.4		237.0	11.7	9.8	6.4	307.0	319.4	4.3	51.6	9• 2	31.	
13.8	36.1	3171.8	700.0	4.8	-3.6	249.7	11.6	10.9	4.0	308.4	320.7	4.2	54.2	10.2	34.	
15.1	39.0	3468.9	675.0	4 • 8	-4.8	276.4	13.3	13.2	-1.5	311.6	323,3	4.0	49.5	10.7	38.	
16.6	41.8	3776.0	650.0	3.1	-5.7	280.2	14.7	14.4	-2.6	313.0	324.5	3.9	52.2	11.3	43.	
18.1	44.7	4092.7	625.0	0.6	-8.6	272.2	13.5	13.5	-0.5	313.6	323.3	3.2	49.8	12.2	48.	
19.7	47.8	4419.1	600.0	-2.0	-9.0	268.6	13.9	13.9	0.3	314.2	324.0	3, 2	58.5	13.2	52.	
21.3	50.8	4756.1	575.0	-4.7	-9.7	265-1	10.2	10.1	C.9	314.8	324.6	3.2	68.2	14-1	55.	
22.7	53.9	5104.2	550.0	-7.4	-14.3	259.8	11.0	10.9	1.9	315.6	322 • 8	2.3	57.9	14.9	56.	
24.3	57.0	5464.6	525.0	-10.7	-16.7	256.9	12.7	12.3	2.9	315.8	322.0	2.0	61.0	16.0	58.	
26.0	60-4	5838.8	500.0	-12.9	-20.0	275.4	11.0	10.9	-1.0	317.5	322.5	1.6	54.9	17.0	59.	
27.8	63.9	6227.5	475.0	-15.9	-30.4	287.6	15.7	15.0	-4.8	318.3	320.5	0.6	27.6	18.1	62.	
29.8	67.3	6634.1	450.0	-17.6	-37.9	287.7	21.1	20.1	-6.4	321.1	322.3	0.3	15.0	19.7	67.	
31.8	70.8	7060.1	425.0	-20.4	-27.1	281.4	22.9	22.4	-4.5	322.9	326.1	1.0	55.0	21.9	71.	
33.9	74.6	7505.2	400.0	-24.9	-27.8	279.4	21.4	21.2	-3,5	322.7	325.9	1.0	76.8	24.3	75.	٠,٠
36.1	78.7	7971.4	375.0	-28.4	-30.1	272.3	25.4	25.4	-1.0	324.1	326.9	0.8	85.0	27.3	77.	
38.5	82.5	8463.2	350.0	-31.3	-37.7	274.4	27.9	27.8	-2.2	326.5	328.0	0.4	53.2	30.9	79.	
40.9	P.6. 6	8983.7	325.0	-35.3	-44.7	280.5	30.2	29.7	-5.5	327.9	328 • 8	0.2	37.7	35. 1	81.	
43.3	91.2	9536.9	300.0	-39.0	99.9	281.3	32.6	31.9	-6.4	330.4	999.9	99.9	999.9	39.4	83.	
46.0	95∙8	10127.8	275.0	-44.2	99.9	290.8	30.3	28.4	-10.8	331.3	999•9	99.9	999.9	44.0	80.	
48.9	100.7	10761.3	250.0	-48-3	99.9	284.2	37.5	36.3	-9.2	334.2	999.9	99.9	999.9	49.7	88,	
52.3	106-0	11444.8	225.0	-54.4	99.9	282.7	43.4	42.3	-9.5	335.2	999.9	99•9	999.9	56 <sub>•</sub> 8		
55.8	111.6	12190.5	200.0	-59.8	99.9	282.3	39.8*	38.8	-6.5	338.2	999.9	99•9	999.9	64.1	92.	
59.1	117-8	13013.1	175.0	-65.7	99.9	275.3	30.6*	30.5	-2.8	341.5	999.9	99•9	999•9	72.7	93.	
63.4	124.7	13955.8	150.0	-62.8	99.9	276.2	32.7*	32.5	-3.5	361.9	999.9	99•9	999.9	82.7	93.	
68.4	132.0	15075.9	125.0	-64.0	99.9	286.7	24.1*	23.1	-6.9	379.1	999.9	99.9	999.9	91.0	94.	
73.7	139.3	16424.9	100.0	-68.6	99.9	280.8	14.3*	14.0	-2.7	395.2	999.9	99.9	995.9	98. 5		
80.9	147.3	18133.6	75.0	-68.6	99.9	341.6	4.7*	1.5	-4.5	429-1	999.9	99.9	999.9	103.8	94.	
91.2	156.0	20605.5	50.0	-61.2	99.9	267.7	4.6*	4.6	0.2	499.3	999.9	99.9	999.9	107.3	94.	
108.4	164.7	25002.0	25.0	-52-8	99.9	239.0	2.6	2.2	1.3	633.4	999.9	99.9	999.9	108.1	96.	
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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232 BOCTHVILLE. LA

24 APRIL 1975 51:

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TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	ÁZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	· KM	DG	
0.	0 4.8	1.0	1019.1	20.6	20.4	130.0	3.6	-2.8	2.3	294.2	332.8	15.0	99.0	0.0	0.	
0.		165.6	1000.0	21.0	20.4	146.9	17.2	-9.4	14.4	296.2	335.9	15.3	96.7	_	322.	
1.		385.4	975.0	20.0	19.4	157.8	13.6	-5•1	12.6	297.2	335.7	14.7	96.5	1.3		
2.		610.0	950.0	19.1	17.7	164.7	12.7	-3.4	12.3	298.4	334.2	13.6	91.8	2.0		
3.		839.7	925.0	18.3	15.7	168.9	10.9	-2.1	10.7	299.7	332.2	12.2	84.4		336.	
4.		1074.8	900.0	17.0	14.1	168-1	8.7	-1.8	8.5	300.6	331.0	11.4	83.1	3.1		
5.		1315.4	875.0	16.2	9.3	173.6	10.7	-1.2	10.6	301.8	324.9	8.5	63.6		340.	
6.		1561.9	850.0	15.0	6.5	180.3	10.5	0.1	10.5	302.8	322.7	7.2	56.7	4.3	343.	
7.		1614.6	825.0	14.3	5.9	186.8	9.7	1.1	9.6	304.6	324.5	7.1	57.0	4.8	345.	
8.		2074.1	800.0	12.8	3.9	193.7	10.8	2.5	10.5	305.7	323.6	6.3	54.4	5. 4	348.	
9.		2340.2	775.0	11.2	1.2	201.1	9.9	3.6	9.2	300.6	322.1	5.4	50.4	6.0	351.	
10.		2613.6	750.0	10.9	-13.2	205.4	8.7	3.6	7.9	308.7	314.3	1.8	16.9	6.5	354.	
11.		2896.3	725.0	11.4	-24.4	232.3	5.1.	4.1	3, 1	312.1	314.5	0.7	6.2	6.9	356.	,
12.		3188.2	700.0	9.8	-33.1	287.4	4.2	4.0	-1.2	313.4	314.5	. 0.3	3.1	6.8	359.	
13.		3488.8	675.0	8.0	-24.9	301.7	3.4	2.9	-1.8	314.7	317.3	0.8	7.7	6.7	0.	p.
14.		3798.5	650.0	5.5	-16.6	305.9	4.5	3.7	-2.7	315.4	320.5	1.6	18.5	6.5	2.	
15.		4117-5	625.0	2.8	-16.3	301.5	5.8	. 4.9	-3.0	315.9	321.3	1.7	22.8	6.3	5.	
17.		4446.3	600.0	0.3	-12.6	296.1	6.6	5.9	-2.9	316.8	324.4	2.4	37.3	6.1	9.	
18.		4786.0	575.0	-2.5	-11.8	280.5	8.3	8.2	-1.5	317.4	325.8	2.7	48.7	6.1	14.	
19.		5137.7	550.0	-4.1	-12.9	274.9	9.4	9.3	-0. B	319.5	327.6	2.6	50.3	6.2	21.	
21.		5502.7	525.0	-7.2	-17.2	286.1	10.0	9.6	-2.8	320.0	326.0	1.9	44.4	6.4	28.	
22.	1.1	5882.0	500.0	-8.8	-22.8	283.4	8.5	8.3	-2.0	322.5	326.5	1.2	31.1	6.6	35.	
23.		6277.2	475.0	-12.0	-22.6	289.1	10.5	10.0	-3.4	323.3	327.6	1.3	40.7	6.9	41.	
25.		6688.2	450.0	-15.4	-26.8	287.6	12.7	12.1	-3.9	324.0	327.1	0.9	36.6	7.4	45.	
27.		7117.3	425.0	-18.6	-32.7	289.0	14.5	13.7	-4.7	325.2	327.1	0.6	27.4	8. 1	56.	
28.		7565.8	400.0	-22.8	-35.5	291.6	15.5	14.4	-5.7	325.4	327.0	0.5	30.1	9.1	64.	
30.	3 74.3	8036.5	375.0	-25.4	-35.9	286.4	15.0	14.4	-4.2	327.9	329.7	0.5	38.5	10.3	70.	
32.	1 78.3	8533.8	350.0	-29.0	-33.0	286.7	17.8	17.1	-5.1	329.7	332.1	0.7	68.1	11.7	75.	
34.	0 82.2	9059.5	325.0	-32.9	-36.6	288-5	21.0	20.0	-6.7	331.3	333.1	0.5	69.4	13.6	80.	
36.	0 66.3	9617.3	300.0	-37.6	-43.0	283.2	23.6	23.0	-5.4	332.3	333.4	0.3	56.2	16.2	85.	
38.	5 91.0	10210.8	275.0	-42.7	99.9	274.7	24.6	24.5	-2.0	333.4	999.9	99.9	999.9	19.5	87.	
40.	9 95.7	10847.9	250.0	-47.7	99.9	276.0	27.9	27.7	-2.9	335.2	999.9	99.9	999.9	23.3	89.	
43.	2 100.5	11535.2	225.0	-53.1	99.9	272.4	29.1	29.1	-1.2	337.1	999.9	99.9	999.9	27. 3	89.	
46.	0 106.0	12283.4	200.0	-58.8	99.9	270.9	30.3	30.3	-0.5	339.6	999.9	99.9	999.9	32.4	90.	
49.	1 111.8	13108.3	175.0	-65.4	99.9	270.9	29.1	29.1	-0.5	342.0	999.9	99.9	999.9	38. 3	90.	
52.	8 118.0	14057.1	150.0	-60.6	99.9	282.A	28.2	27.5	-6.2	365.6	999.9	99.9	999. 9	44.3	91.	
57.	0 125.3	15177.9	125.0	-66.2	99.9	266.2	21.5	21.4	1.4	375.1	999.9	99.9	999.9	50.0	92.	
62.	1 132.7	16513.2	100.0	-70.9	99.9	270.7	16.1	16.1	-0.2	390.7	999.9	99.9	999.9	55. 2	91.	
68•	1 140-3	18204.9	75.0	-72.3	99.9	277.9	7.9	7.8	-1.1	421.4	999.9	99.9	999.9	58.7		
77.	0 148.3	20660.0	50.0	-60.9	99.9	286-3	1.8	1.8	-0.5	500.1	999.9	99.9	999.9	60,1	92.	
91.	5 156.3	25070-4	25.0	-53.0	99.9	74.6	4.5	-4.3	-1.2	633.0	999.9	99.9	999.9	58 <sub>0</sub> 4	94.	
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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235 JACKSON. MISS

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TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP PCT T E POT T MX RTO RH RANGE AZ PCT DG MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG KM 333.9 14.2 84.0 0.0 C. 0.0 4.2 100.0. 1006.0 22.2 19.4 180.0 6.2 0.0 6.2 296.8 0.2 4.7 152.2 1000.0 21.4 19.3 178.0 12.6 -0.4 12.6 29004 333.6 14.3 88.2 0.2 357. 0.9 372.0 975.0 20.1 18.9 180.4 14.3 0.1 14.3 297.3 334 . 7 14.3 93:1 0.7 356. 6.6 1.7 2.9 596.3 950.0 18.1 17.3 190.8 17.2 3.2 16.9 297.3 332.1 13.2 95.3 1.3 1. 203.2 17.8 299.9 333.0 12.4 84.8 7. 2.4 10.9 825.5 925.0 18.5 15.9 19.4 7.6 2. 1 3.2 13.3 1060.B 900.0 17.0 15.3 212.9 19.9 10.8 16.7 300.7 333.5 12.3 89.6 3.0 14. 1301.3 875.0 15.3 13.6 218.0 21.1 13.0 16.6 301.2 331 . 5 11.3 89.2 3.9 19. 4.0 15-5 17.7 1547-1 850.0 13.9 12.1 218.1 21.4 13.2 16.9 302.1 330 - 6 10.5 89.0 4. 9 23. 4.7 20.2 1799.6 825.0 14.3 8.7 210.7 29.6 10.5 17.7 304.9 328.7 8.6 68.8 E . 9 25. 5.6 313.9 15.3 700 26. 22.5 2060.0 800.0 15.2 -10-9 217.2 19,5 11.8 15.5 307.6 2.1 6.4 225.3 309.7 315.5 14.2 8.0 28-2328.0 775.0 -12.5 17.9 12.7 12.6 1.9 7.4 25.0 14.5 311.4 317.0 13.8 8. 9 30. 27.3 2604.0 750.0 13.5 -13.9 226.6 16.1 11.7 11.1 1.8 8.3 231.5 313.3 320.4 18.4 9.7 32. 2888.5 725.0 12.4 -11-0 14.7 11.5 9. 1 2.3 9.3 30.0 23.5 10.4 10.1 32.6 3181.6 700.0 10.2 -9.7 243.2 14.2 12.7 6.4 314.2 322.3 2.6 33. 314.9 323.0 26.6 11.0 360 11.1 35.4 3482.7 675.0 7.9 -10-1 261.3 15.0 14.9 203 2.6 12.7 38.0 3792.0 650 e 0 4.8 -11.8 265.4 14.1 14.1 1. 1 314.7 322.1 2.4 28.7 12.1 42. 4110.3 625.0 264.4 1.5 314.8 322.3 2.4 35.0 13.5 47. 14.8 40.7 1.8 -12-1 15.5 15.4 4437.0 269.7 314.0 322.0 47.5 15.8 53. 18.2 43.6 600.0 -2.1 -11.7 12.2 12.2 0.1 2.6 19.3 46.6 4774.0 575.0 -4.5 -12.4 265.9 15.4 15.4 1.1 315.0 323.0 2.6 53.8 16.4 55.

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324.6

631.6

3.2

-1.1

-0.5

1.5

363

1.5

0.4

1.0

324.1

328.7

328.9

329.7

329.4

328.8

328.7

999.9

2.7

3.3

3**.** 0

2.7

2.2

1.6

1.2

99.9

260.6

273.5

271.7

264.7

258.7

265.0

268.9

118.2

-12.4

-10.4

-12.4

-14-1

-17.3

-21.4

-25.3

99.9

29.3 8006.6 375.0 -27.0 -29.9 268.2 19.7 19.7 326.0 328 . 9 26.2 73.5 0.6 0.8 30.9 77.7 8500.0 350.0 -31.2 -34.5 263.4 22.2 22.0 2.6 326.6 328 . 6 0.6 72.4 28. 1 69. 32.5 9020.6 325.0 -35.4 -39.8 269.3 21.9 21.9 9.3 327.8 329.1 0.4 63.7 30.2 70. e1.7 34.3 9572.7 300.0 -39.8 271.6 -C. 8 329.1 329.9 0.2 49.4 32.7 72. 66.0 -46.3 28.8 28.8 90.8 10160.9 275.0 -44.8 99.9 270.B 35.7 35.7 -0.5 330.3 999.9 99.9 999.9 37 . 2 74. 36.7 39.7 10793.3 250.0 -48.7 272.4 -107 333.6 999.9 99.9 999.9 44.3 77. 95.7 99.9 41.9 41.8 42.9 10C.8 11478.3 225.0 -53.5 99.9 266.4 36.5 36.4 2.3 336.6 999.9 99.9 999.9 51.8 79. 45.9 106.5 12226.6 200.0 -59.1 99.9 262.5 46.7 339.3 99909 99.9 999.9 58. 9 80. 46.3 6.1 48.7 112.8 13052.8 175.0 -54.0 99.9 261.B 31.6 31.2 4.5 344.4 999.9 99.9 999.9 65.3 80. 52.5 115.7-14000.3 150.0 -62.9 99.9 272.7 25.8 25.8 -1.2 361.7 999.9 99.9 999.9 72.0 80. 56.7 127.3 15117.7 125.0 -65.0 99.9 273.6 29.1 29.1 -1.8 377.3 999.9 99.9 999.9 79.0 62. 136.0 16458.9 100.0 -69.6 99.9 270.5 21.2 21.2 -0.2 393.3 999.9 99.9 995.9 85.8 82. 61.6 67.6 144.7 19165.7 75.0 -67.9 99.9 218.8 9.4 5.9 7.3 430.6 999.9 99.9 999.9 91.4 82. 999.5 99.9 999.9 94.0 76.4 155.0 20647.3 . 50.0 -60.6 99.9 66.6 3.6 -3.3 -1.4 500.6 81.

2.2

-53.2

25.0

20.3

21.6

22.5

23.7

24.8

26.2

27.8

91.3

49.8

52.8

55. 8

59.3

62.7

66.1

70.0

167. C

5122-1

5485.0

5861.9

6254.1

6663.3

7090.0

7537.1

25034.8

550.0

525.0

500.0

475.0

450.0

425.0

400.0

-7.3

-8.5

-11.3

-13.8

-16.8

-20.1

-23.4

15

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TENF PEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES, LA

160 12. 0

TIME	CNTCT	HE I GHT	PRES MB	TEMP DG C	CEW PT	DIR	SPEED M/SEC	U COMP M/SEC	V CCMP	POT T	E POT T	MX RTO GM/KG	RH PCT	RANGE	AZ	
MIN		GPM		טט כ	06.6	DG	M/SEC	M/SEC.	M/SEC	DG K	DG K	GAZKG	PCI	~~	U	
0.0	3.2	5.0	1016.4	22.2	21.7	140.0	501	-3.3	3.9	296.2	338.4	16.3	97.0	0.0	0.	
0.5	4.5	146.9	1000.0	21.1	20.3	159.7	14.6	-5.1	13.7	296.3	335.8	15.2	95.2	0.4	332.	
1.2	6.2	366.6	975.0	20.2	19.4	165.4	13.5	-3.4	13.0	297.4	335.8	34.7	95.0	0.9	337.	
2.1	8.2	591+1	950.0	18.6	17.7	171.2	12.3	-1.9	12.1	297.8	333.4	13.5	94.6	1.6	343.	
2.8	10.2	820.1	925.0	16.6	15.7	174.2	11-1	-1.1	11.0	298.0	330 • 4	12.3	94.3	2. 1	345.	
3.7	12.1	1053.9	900.0	16.0	12.3	192.7	9.0	2.0	8.8	299.3	326.3	10.1	78.9	2. ó	348.	
4.6	14.2	1293.7	875.0	16.2	2. ì	201.B	10.8	4.0	10.0	301.3	315.6	5.1	38.6	3.0		
5.4	16.1	1540.0	850.0	15.9	0.6	192.2	10.5	2.2	10.3	303.4	316.9	4.7	35.6	3. 6		
6.4	10.3	1792.9	825.0	14.2	5.8	190.1	9.5	1.7	9.4	304.5	324 • 2	7.0	57.0	4. 1		
7.4	20.4	2052-1	800.0	12.3	-0.7	186.3	9.6	1.4	9.5	304.9	318.3	4.7	41.6	4.7		
8.3	22.5	2317.8	775.0	12.2	-17.9	189.3	12.5	2.0	12.3	307.1	311.6	1.5	13.0	5.3		
9.3	24.9	2592.4	750.0	13.9	-41.4	198•4	15.3	4.8	14.5	311.6	312.1	0.1	1.0	6. 1	2.	
10-3	27.3	2877.2	725.0	13.4	-41.7	216.5	14.5	8.7	11.7	314.2	314.7	0 • 1	1.0	7.0		
11.4	29.4	3170.8	700.0	11.2	-37+1	234.7	1602	13.2	9.3	314.9	315.9	0• 3	2.4	7.7		
12.4	32.0	3472.8	675 • 0	9.3	-24.0	239.5	17-1	14.7	8.7	316.2	318.8	0.8	7.5	8 4	16.	
13.5	34.5	3784.3	650.0	7.2	-18.1	236.6	15.5	13.0	8.6	317.3	321.9	1.4	14.6	9.3		
14.6	36.9	4105.1	625.0	4 • 8	-15.1	232.8	15.6	12.4	9.4	318.2	324.2	1.9	21.9	10-1	23.	
15.5	39.6	4436.3	600.0	2.1	-14.4	239.0	14.5	12.5	7.5	318.8	325.4	2•1	28.5	10.9		
16.7	42.1	4777.8	575.0	-1-1	-12.2	253.6	12.9	12.3	3.6	319.0	327.2	2.6	42.7	11.6		
1.9.0	44.9	5130.7	550.0	-4-1	-9.6	253.9	12.9	12.4	3.6	319.6	330.1	3.4	65.7	12.3		
19.2	47.9	5495.7	525•0	-7•5	-8•5	249.9	10.8	10.1	3.7	319.8	331 .6	3.8	92.4	13.0		
20.5	50.7	5873.6	500.0	-11,1	-12.8	247.3	12.7	11.7	4.9	319.8	328.8	2.9	87.5	13.7		
21.8	£3.6	6265.6	475.0	-13.2	-26.4	257.8	14.2	13.9	3.0	321.7	325.1	1.0	34.5	14. 6		
23.4	56.6	6675.6	450.0	-15.8	-26.1	262.3	18.5	18.4	2.5	323.5	326.9	1.0	40.8	15.8		
25.0	€0.0	7103.6	425.0	-19.0	-28.5	266.1	17.9	17.9	0.6	324.6	327.5	0.8	42.6	17.1	47.	
26.6	€3.5	7552•2	400.0	-22.7	-29.6	270.7	19.2	19.2	-0.2	325.6	328.4	9.0	52.7	16.6		
29.1	66. 9	8022.3	375.0	-26.5	-29.5	275.8	19.7	19.6	-2.0	326.6	329.6	0.9	75.3	19.9		
0.0E	70.6	8517.0	350.0	-30.2	−35.0	274.0	23.7	23.6	-1.6	328.0	329.9	0.6	62.6	21.6		
31.8	74.5	9041.1	325.0	-33.8	-41.1	273.5	26.1	26.1	-1.6	330.0	331 • 2	0.3	47.2	24.0		
33.6	78.7	9597-2	300.0	-37.6	-51.3	272.7	28•8	28.7	-1.4	332.3	332.7	0.1	22.0	26. 5		
35 • 6	65.8	10191.1	275.0	-42.7	99.9	270.1	29.3	29.3	-0.1	333.4	999.9	99.9	999.9	29. 7		
37.7	87.4	10828.3	250.0	-47.5	99.9	267.A	29.4	29.4	1-1	335.5	999.9	99.9	999.9	32. 9		
39.9	5.5.5	11517.0	225.0	-52.7	99.9	261.6	31.2	30.9	4-5	337.8	999.9	99.9	999.9	37.1		
42.3	98.0	12267.1	200.0	-58.3	99.9	254.2	28.7	27.6	7.8	340.5	999.9	99.9.	999.9	41.5		
45.0	104-0	13695-0	175.0	-64.8	99.9	261.0	29.6	29.4	4.7	343.0	999.9	99.9	999.9	46.2		
48.3	110.6	14043.9	150.0	-61.2	99.9	262.3	28.4	28.1	3.8	364.7	999.9	99.9	999.9	51.8		
52.0	118.0	15166•7	125.0	-65.4	99.9	259.7	18.6	18.3	3.3	376.5	999.9	99.9	999.9	57.5		
56.4	126.3	16512.4	100.0	-69.8	99.9	268.5	19.4	19.4	0.5	392.8	997.9	99.9	999.9 999.9	62.9 66.8		
61.7	136.3	18203.5	75-0	-72-3	99.9	247.3	11.2	10.3	4.3	421.3	999.9	99•9 99•9	999.9	69.4	76.	
70.0	146.3	20680.0	50.0	-60.8	99.9	239.3	3.6	3-1	1.8	500.3				68.1		
e3.4	156.7	25104.4	25.0	-53.0	99.9	81.5	5.7	-5.7	-0. B	632.8	999.9	99.9	999.9	000	770	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 246 SHREVEPORT. LA

160	124	Ω

16 3

	TIME	CATCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
	0.0	4.4	79.0	1004.4	22.0	17.6	190.0	4.6	0.8	4.5	296.5	329.8	12.7	76.0	0.0	0.
	0.1	4.8	117.3	1000.0	21.9	17.8	191.3	7.7	1.5	7.6	296.8	330.7	13.0	77.7	0.2	5•
	1.0	6.7	337.6	975.0.	20.9	17.9	191.3	11.2	2 • 2	11.0	298.0	333.3	13.4	82.8	C. 6	10.
	1.9	8.9	562.5	950.0	19.2	17.4	193.2	17.5	4.0	17.0	298.5	333.6	13.3	89.5	1.3	11.
	2.8	11.0	792.4	925.0	19.6	13.8	193.9	20.7	5.0	20.0	300.8	327.8	10.8	69.2	2.4	12.
	3. 9	13.3	1028.3	900.0	18.3	11.9	200.6	20.1	7.1	10.6	301.7	328.3	9.8	66.2	3.8	14.
	5.0	15.6	1269.8	875.0	17.7	4.5	206.3	20.2	6.9	16.1	303.0	320.0	6.1	41.6	5.1	16.
	6.1	17.9	1517.4	850.0	17.1	3.6	214.6	21.4	12.1	17.6	304.8	321.4	5.9	40.7	6. 3	19.
	7.0	20.3	1771.5	825.0	15.5	3.4	215.9	20.2	11.8	16.3	305.8	322.7	5.9	44.2	7.4	22.
	7.9	22.6	2031.8	800.0	13.8	2.9	210.5	16+6	8.4	14.3	306.6	323.5	5.9	47.8	8.5	23.
•	9.1	25.2	2299.3	775.0	14.2	-9.3	213.4	18.7	10.3	15.7	309.4	316.8	2.5	18.9	9.6	24.
	10.1	27.5	2575.2	750.0	13.0	-15.7	221.0	18.0	11.8	13.6	310.9	315.6	1.5	12.0	10.5	25.
	11.2	30.2	2858.6	725.0	10.9	-17.3	233.7	17.0	13.7	10.1	311.6	315,9	1.4	12.0	11.9	27.
	12.3	32.9	3149.9	700.0	9.5	-15.5	231.7	. 15.4	12.1	9.5	313.2	318.3	1.6	15.5	12. B	30.
	13.4	35.5	3451.2	675.0	7.8	-1.2	244.5	18.2	16.4	7.8	315.1	330.5	5.2	52.9	13.8	32.
	14.6	36.1	3761.3	650.C	5.4	-2.6	248.8	17.7	16.5	6.4	315.7	330.3	4.9	56.4	15.0	35.
	15.9	40.8	4080.8	625.0	2 • 8	-4.5	256.4	15.5	15.1	3.6	316.2	329.5	4.4	58.5	15.0	38.
	17.3	43.8	4409.8	600.0	-0.0	-8.7	256.5	18.5	18.0	4.3	316.5	326.7	3, 3	52.0	17.1	41.
	18.5	46.6	4749.6	575.0	-2.3	-9.6	261.2	21.6	21.3	3.3	317.6	327.6	3.2	57.9	16.2	43.
	19.8	45.8	5101.1	550.0	-5.2	-6.7	260.2	23.9	23.5	4-1	318.5	331 • 3	4.2	86.5	19.7	47.
	21.2	52.6	5465.1	525.0	-8.4	-9.5	259.8	26.7	26.3	4.7	318.7	329.6	3.5	92.0	21.5	50.
	22.5	55.6	5841.6	500.0	-12-1	-17.8	260.9	26.4	26.1	4.2	318.5	324.6	1.9	63. I	23.2	52.
	23.9	58. 9	6231.5	475.0	-15.8	-28.8	258.0	25.7	25.1	5.3	318.5	321.0	0.8	32.3	25.4	55.
	25.6	62.1	6637.3	450.0	-17.8	-33.6	257.9	28.2	27.6	5. 9	320.9	322.6	0.5	23.5	27.9	57.
	27.1	65.5	7063.9	425.0	-19.5	-41.2	260.7	23.9	23.6	3.9	324.0	324.8	0.2	12.5	30.1	59.
	28.8	69.0	7510.8	400.0	-23.5	-44.3	260.6	24.5	24.1	4.0	324.4	325.1	0.2	12.6	32.2	÷0.
	30.4	72.6	7980.0	375.0	-27.2	-47.1	262.0	21.2	21.0	3.0	325.6	326.1	0.1	12.9	34.3	62.
	32.1	76.5	8473.3	350.0	-30-8	-46.3	251.4	22.5	21.3	7.2	327.2	327.9	0.2	20.2	36.4	62.
	33.9	E0.4	8995.2	325.0	-34.8	-51.7	255.1	24.3	23.5	6.3	328.7	329.1	0.1	15.7	38. 9	63.
	35.0	84.7	9549.3	300.0	-39.0	-49.8	259.5	32.4	31.9	5.9	330.3	330.0	0.1	30.4	42.4	64.
	38+3	69.0	10137.4	275.0	-44-1	99.9	260.3	31.8	31, 3	5.4	331.4	999.9	99.9	999.9	46.6	
	41.0	93.8	10771.7	250.0	-48.6	99.9	261.3	38.3	37.8	5.8	333.8	999.9	99. 9	999.9	51.9	67.
	44.0	98.8	11455.5	225.0	-54.4	99.9	257.1	40.7	39.6	9.1	335.1	699.9	99.9	999.9	58. 5	69.
	46.9	104.0	12200.2	200.0	-60.3	99.9	252.8	36.7*	35.1	10.9	337.3	999.9	99.9	999.9	65.8	69.
	50.2	110.0	13027.8	175.0	-62.9	99.9	257.7	29.5	28.9	6. 3	346.2	999.9	99.9	999.9	71.7	70.
	54.0	116.3	13986.1	150.0	-59.9	99.9	263.2	34.7*	34.4	4.1	366.9	999.9	99.9	999.9	78. 5	71.
	58.3	123.3	15112.6	125.0	-63.5	99.9	264.9	24.5*	24.4	2. 2	380.1	999.9	99.9	999.9	87.0	72.
	63.4	121.0	16463.9	100.0	-68.8	99.9	266-1	24.0+	24.0	1.7	394.8	999.9	99.9	999.9	94.4	73.
	69.9	139.7	18170.7	75.0	-70.7	99.9	249.6	23.8+	22.3	8.3	424.7	999.9	99.9	999.9	99.9	73.
	78.9	148.7	20667.7	50.0	-60.1	99.9	4.3	4.7	-003	-4.6	502.0	999.9	99.9	999.9	105.1	73.
	94.0	158.3	25076.5	25.0	-52-1	99.9	298.0	3.3	2.9	-1.6	635.4	999.9	99.9	999.9	104.8	74.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255 VICTORIA. TEX

24 APRIL 1975

515 GMT 163 13. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.0	33.0	1009+0	24.0	21.9	170.0	7.7	-1.3	7.6	298.6	342.1	16.7	88.0	0.0	0.
0.1	4.8	111.9	1000-0	23.9	22.3	999.9	99.9	99.9	99.9	299.4	344.4	17.2	90.4	999. 9	
0.8	6.5	334.0	975.0	22.6	21.8	999.9	99.9	99.9	99.9	300.2	345.2	17.1	94.7	999 <b>.</b> 9	
1.5	8.6	560.6	950.0	20.8	20.1	999.9	99.9	99.9	99.9	300.4	342.2	15.8	95.6	999.9	999.
2. 1	10.6	791.8	925.0	19.5	18.7	179.8	19.5	-0.1	19.5	301.2	340.8	14.9	95.4	2 • 1	350°
2.9	12.6	1028.3	900.0	18.5	17.7	184.4	19.2	1.5	19.2	302.5	340.9	14.4	95.3	2. 9	35,3•
3.6	14.8	1269.7	875.0	16.0	10.7	187.8	20.7	2.8	20.5	301.7	327.2	9.4	71.0	3• 8	
4.3	16.8	1517.3	850.0	17.5	2.6	184.0	22.6	1.6	22.6	305.3	320.9	5.5	37.0	4.7	
5. 2	19.2	1771.4	825.0	15.8	-6.4	182.6	20.3	0.9	E .0S	305.6	314.4	3.0	21.9	5. 8	
. 5.9	21.3	2031.9	800.0	16.0	-38.0	187.0	18.8	2.3	18.7	308.2	308.8	0.2	1.3	6.6	360.
6.8	. 23.6	2301.9	775.0	17.3	-39.3	195•4	19.6	5.2	19.1	312.4	313.0	0.2	1.0	7.6	1.
7.6	25.8	2580.7	750.0	17.2	-39.4	201.0	18.5	6.6	17.3	315.3	315.9	. 0.2	1.0	8. 6	4.
8.6	28.3	2858.4	725.0	15.7	-40.3	198.7	16.3	5.2	15. S	316.7	317.3	0.2	1 • G	9. 6	5.
9.6	30.7	3164.4	700.0	13.8	-41.5	197.4	16.8	5,0	16.0	317.8	316.3	0-1	1.0	10.5	ŧ.
10.5	33.2	3468.8	675.0	11.2	-43.0	203.6	15.3	6.1	14.0	318.2	318.6	0.1	1.0	11.4	7.
11.5	35.7	3782.1	650.0	9•4	-24.4	216.0	11.6	6.8	9.4	319.6	322.5	0.9	7.6	12.1	۶.
12.4	38.3	4105.6	625.0	6.9	-17.8	225.3	9.9	7.0	6.9	320.5	325.5	1.5	15.2	12.7	10.
13.4	40.9	4438.8	600.0	3.8	-14.7	238.4	7.7	6.6	4.0	320.7	327.2	2.0	24.4	12.9	12.
14.7	43.7	4782-1	575.0	0.0	-13.0	245.3	8.5	7.7	3.6	320.3	328.1	2.5	36.9	13.4	14.
15.9	46.6	5136.3	550.0	-3-4	-11.9	242.8	10.3	9.1	4.7	320.4	329.2	2.8	51.7	13.9	16.
17.1	49.5	5502.2	525.0	-6.2	-16.6	250.1	9.8	9.2	3.3	321.1	327.6	2.0	44.1	14.3	18.
18.4	52.3	5882.6	500.0	-7.9	~54.9	258.2	10.8	10.5	2.2	323.3	323.5	0.0	1.0	14.8	21.
19.6	55 <sub>0</sub> 3	6278.9	475.0	-11.1	-57.0	256.9	13.0	12.6	2.9	324.1	324.3	0.0	1.0	15.3	23,
21.0	56.5	6691.1	450.0	-14.8	-57.3	254.7	13.0	12.5	3.4	324.6	324.8	0.0	1.3	16.0	27.
22.4	61.9	7120.5	425.0	-18.4	- 28. 2	265.1	13.6	13.6	1.2	325.4	328.4	0.9	41.8	16.7	30∙
24.0	65.3	7570.1	400.0	-21.9	-32.5	269.0	17.3	17.3	0.3	326.6	328.8	0.6	37.3	17.4	
25.6	68.8	8041.7	375.0	-25.4	-27.7	265.7	20.1	20.1	1.5	328.1	331.7	1.0	80.5	18.6	36.
27.2	72.3	8538.8	350.0	-29.4	-30 ± 1	261.4	23.7	23.4	3. 5	329.2	332.3	0.9	93.5	20.2	42.
29.0	76.3	9063.2	325.0	-33.6	-43.4	263.9	24.9	24.8	2.7	330.3	331 • 2	0.2	36.3	22.2	47.
30.9	80.4	9620.5	300.0	+37.4	-50.9	266.1	27.7	27.7	1.9	332.6	333.0	0.1	22.7	24.5	51.
33.0	E4 . 8	10215.2	275.0	-42.4	99.9	266.9	32.4	32.4	147	333.8	999.9	99.9	999.9	27.9	56.
35.3	89.2	10852.0	250.0	-47.1	99.9	265.5	34.6	34.5	2.7	336.1°	999.9	99.9	999.9	32.2	60.
37.9	94.2	11541-1	225.0	-53.0	99.9	266.0	31.6	31.5	2.2	337.3	999.9	99.9	999.9	36.9	63.
40.8	99.4	12290.4	200.0	-58.7	99.9	258.2	34,5	33.8	7.0	339.9	999.9	99.9	999.9	41.7	66.
43.4	105.0	13117.6	175.0	-63.3	99.9	277.1	32.3	32.1	-4.0	345.5	599.9	99.9	999•9	46.4	68.
47-1	111.3	14006.6	150.0	-61.2	59.9	252.9	31.7	30.3	9. 3	364.7	999.9	99.9	999.9	52. 5	70.
51.3	118.3	15188.4	125.0	5-4	99.9	261.2	23.9	23.7	2.7	376.6	999.9	99.9	999.9	59. 1	72.
56.2	127-0	16529.4	100.0	-70.0	99.9	252.1	18.7	17.8	5.7	392.5	999.9	99.9	999.9	65.3	72.
62.2	136.7	18225.3	75.0	-71-1	99.9	283.9	3.7	3.6	-0.9	423.9	999.9	99.9	999.9	70.3	72.
71.6	147-5	20684.4	50.0	-61.8	99.9	230.1	1.7	1.3	1.1	498.0	999.9	99.9	999.9	72.4	72.
86.6	160.0	25105.7	25.0	-53.6	99.9	82.6	13.3	-13.2	-1.7	630.6	999.9	99.9	999.9	68. 9	710

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETHEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPULATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 26G STEPHENVILLE. TEX

24 APRIL 1975 515 GMT

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DĞ
								ું જેવ	Ÿ.						_
0.0	9.7	399.0	963.9	21.7	18.5	170.0	7.2	-1.3	7.1	299.9	337.1	14.1	82.0	0.0	
99.9	95.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	59.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	
0.5	10.9	525.7	950.0	21.8	18.5	170.6	17.7	-2.9	17.4	301.3	339.3	14.3	81.3	G. 4	
1.3	13.3	758.0	925.0	21.1	18.6	181.5	20.7	0.5	20.7	302.9	342.4	14.0	85.6	1.3	
2.1.	15.6	996.0	900.C	20.1	18.2	190-1	22.5	4.0	22.2	304.2	344.0	14.8	89.1	2. 4	
3.0	18.9	1239.6	875.0	20.1	16.7	205.2	18.5	7.9	16.7	306.5	344+1	13.8	80.7	3.5	
3.9	20.4	1490.4	850.0	19.4	13.3	220.9	17.0	11.1	12.9	308.0	339.6	11.4	66.0	4.3	
4.9	22.5	1746.9	825.0	17.1	12.1	233.5	14.9	12.0	8.9	308.2	338.2	10.8	72.2	5-1	17.
5.9	25. 3	2009.9	800.0	16.9	5.4	257.7	13.2	12.9	2.8	310.1	330.6	7.2	47.6	5.7	
6.8	27.8	2280.1	775.0	16.2	-4.8	281-1	15.0	14.8	-2.9	311.7	322.1	3.5	23.2	E. C	
7.7	30.4	2557.8	750.0	14.6	-8.2	269.9	16.8	16.8	0.0	312.7	321.1	2.7	19.8	6. 4	
8.7	33.1	2843.1	725.0	12.9	-8.9	258.3	18.4	18.0	3.7	313.9	322.2	2.7	21.0	7.2	
9.8	35.7	3136.4	700.0	10.3	-11.3	248.3	21.6	20.1	8.0	314.2	321.3	2.3	20.5	8-3	
10.7	38.4	3437.9	675.0	8.6	-15.4	242.8	23.0	20.5	19e 5	315.5	321.0	1.7	16.6	9.5	
11.7	41.1	3748.3	650.0	6.1	-19.3	238.6	22.1	16.9	11.5	316.0	320.1	1.3	14.0	10.9	
12.9	44.0	4067.7	625.0	3.3	-20.6	236.8	22.5	18.8	12.3	310.4	320.2	1.2	15.2	12.5	
14.0	46.9	4397.3	600.0	1.4	-30.0	237.7	20.7	17.5	11.1	317.8	319.6	0.5	7.4	13.9	
15.1	49.9	4738.4	575.0	-0.8	-35.3	239.4	19.8	17.0	10.1	319.0	320.2	0.3	5.2		53.
16.4	52. 6	5091.1	550.0	-3.8	-41,2	236.9	18.9	15.9	10.3	319.6	320.2	0.2	3,5	16.8	
17.7	55.8	5456.0	525.0	-7.2	-40.2	242.5	19.8	17.5	9. 1	319.8	320.5	0.2	5. 1	18.2	
18.9	59.0	5833.6	500.0	-10.5	-40.2	251.1	19.8	18.7	6.4	320.2	321.0	6.5	6.6	19.6	
20.3	62.3	6226.2	475.0	-13.9	-38•4	249.8	19.3	18.1	6.7	320.7	321.8	0.3	10.4	21+0	
21.6	65.6	6634.1	450.0	-17.6	-41.1	248.7	22.0	20.5	8.0	321.1	321.9	0.2	10.7	22.7	
22.9	68.9	7058.7	425.0	-21.3	-43.7	256.3	24.3	23.6	5.7	321.7	322.3	0.2	11.1	24.5	
24.5	72.4	7503.7	400.0	-24.2	-47.8	254.2	25.7	24.8	7.0	323.4	323.9	0+1	9.2	26. 9	
26.1	76.1	7970.8	375.0	-27.5	-50.1	251.9	29.3	27.6	9.1	325.1	325.5	0.1	9.5	29.4	
27.7	80.0	8464.0	350 • 0	-30-9	-52.4	257.7	26.9	26.2	5. 7	327e1	327.4	0-1	9.9	31.9	
29.7	84.0	8985.0	325.0	-35.6	-55.9	255.1	27.6	26.7	7.1	327.5	327.7	0.1	10.3	35. 2	
31 . 5	67.8	9537.4	300.0	-39.9	99.9	254.0	36.2	34 · B	10.0	329.1	999.9	99.9	999.9	36.4	
33.8	92o 4	10125.2	275.0	-45.1	99.9	262.7	27.9	27.7	3.5	330.0	999.9	99.9	999.9	42.7	
36.1	96.8	10756.0	250.0	-49.5	99.9	256.3	31.2	30.3	7.4	332.5	949.9	99.9	999.9	47.6	
38.7	101.8	11436.6	225.0	-54.9	99.9	249.7	31.6	29.6	11.0	334.4	999.9	99.9	999.9	53. 3	
41.7	107.2	12182.0	200.0	-59-1	99.9	254.4	35.1	33.9	9.4	339.2	999.9	99.9	999.9	59. 9	
44.9	112.6	13013.5	175.0	-60.7	99.9	260.8	38.6	38.1	6.1	349.8	999•9	99•9	999.9 999.9	66.4 75.9	
46.6	119.0	13975.9	150.0	-60.1	99.9	254.5	43.64	42.0	11.7	366.5	999.9	99.9			
53.5	126.0	15108-8	125.0	-61.4	99.9	256.0	29.1*	28.3	7.0	363.9	999•9	99.9	9' 9	86.0	
58.3	133.7	16475.6	100.0	-69:0	99.9	263.9	13-1*	13.0	1.4	354.4	999.9	99.9	999.9	92.2	
64.6	141.7	18179.9	75•0	-69.9	99.9	238.4	9.5*	8.1	5.0	426.4	999.9	99.9	999.9	96.5	
73.4	150.3	20670.0	. 50•0	-58.9	99.9	233.2	2.4	1.9	1.4	504.8	999.9	99. 9	999.9	101.1	70.
99.9	99.9	99.9	25.0	96.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	77.0

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>#</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 261 DEL RIG. TEX

24 APRIL 1975

								WILL IS TO								
								515 G	MT					1	62 19.	0
	TIME .	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	.M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
	0.0	8.9	314.0	971.2	26.3	16.5	110.0	6.7	-6.3	2.3	303.7	337.0	12.3	55.0	0.0	0.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
	99.9	55.5	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	99909	999.
	0.7	10.3	508.9	950.0	25.6	15.8	132.7	17.8	-13.1	12.1	304.2	337.4	12.0	54.5		306.
	1.6	13.2	743.5	925.0	24.4	14.8	142.2	18.7	-11.4	14.7	305.8	337.4	11.5	55.1		313.
	2.2	15.6	983.5	900.0	24.0	12.4	151.7	17.0	-8-1	15.0	307.6	335 8	10.1	48.4		316.
	3.0	18.1	1230.0	875.0	23.3	9.9	164.3	14.8	-4.0	14.2	309.2	334 • 0	8.8	42.7		3230
	3.8	20.5	1482.6	850.0	21.9	10.2	174.7	13.6	-1.3	13.6	310.4	336.5	9.3	47.3		328.
	4.6	23.0	1741.0	825.0.	20.2	10.0	1.82.8	11.5	0.6	11.5	311.2	337.8	9.4	51.8		333.
	5.3	25.6	2006.3	800.0	19.4	1 - 1	177.5	10.7	÷0.5	10.7	312.5	328.1	5.3	30.0		336.
	6.2	28-3	2278.5	775.0	18.2	3.2	191.1	10.0	1.9	S. 9	314.3	332.8	6.3	37.2		339.
	7.1	31.1	2550.9	750.0	16.7	1 • 1	199.8	9.7	3.3	9.1	315.5	331.9	5 • <u>5</u>	34.8		342.
	8.0	33.8	2846+8	725+0	14.7	-1.5	213.3	9.3	5 · i	7.8	316.2	330.5	₹, ♦•७	32.9		346.
	8.9	36.4	3142.4	700.0	12.6	-6,6	231.5	10.5	8 • 2	6.5	316.8	327.1	∜ 3.3	25.5		350.
٠,	9.9	39.4	3446.3	-675+0	10.2	-8.4	236.5	12.3	10.2	6.8	317.5	326.8	3.0	26.0		356.
	10.9	42.0	3758.5	650.0	7.2	-10.6	232.4	13.1	10.4	8.0	317.4	325.6	2.6	27.0	6. 7	1.
	11.9	45.0	4079.3	625.0	4.2	-11.7	232.8	13.4	10.7	8.1	317.5	325.4	2. 5	30.3	7.3	6.
	12.9	48.1	4409.5	600.0	1.2	-13.2	235.9	13.6	11.7	6.8	317.8	325.0	2.3	33.2	7.5	11.
	13.9	51.0	4749.6	575.0	-2.2	-14.9	246.6	15.2	14.0	6.1	317.7	324.3	2. 1	36.9	8.4	15.
	15.0	54.3	5101-1	550.0	-5.0	-20.4	256.0	17.6	17.1	4.3	318.3	322.8	1 e 4	25.5	9• Q	21.
	16.1	57.3	5465.0	525.0	-7.7	-22.8	264.0	18.4	18.3	1.9	319.3	323.1	1.2	28.6	9. 7	27.
	17.5	60.7	5843.2	500.0	-9.4	-24.9	269.1	21.5	21.5	0.3	321.7	325.0	1.0	27.0	10.6	35.
	18.8	64.1	6237.4	475.0	-12.5	-32.9	271.8	22.4	22.4	-0.7	322.5	324.3	0,5	16.2	11.6	42.
	20.1	67.6	5647.9	450.0	-15.0	-30.0	271.6	20.4	20.4	-0.6	324.3	325.7	0 = 4	14.7	12.8	48.
	21.3	71.0	7077.6	425.0	-17.9	-40.8	264.2	19.4	19.3	2.0	326.0	327.0	0.2	11.4	13.9	52.
	22.6	74.7	7527.8	400.0	-21.5	-43.4	262.1	20.3	20.1	2.8	327.0	327.8	0.2	11.7	15.2	54.
	23.9	78.7	7999.8	375.0	-25.4	-41.4	260.3	25.5	25-1	4.3	327.9	328.9	0.3	20 <b>,</b> ମ	16.8	57.
	25.2	£2.7	9496.1	350.0	-30.0	-40.5	256.9	29.3	28.6	6¢6	328.3	329∙4	0.3	34.8	18. 7	60.
	26.7	86.7	9019.5	325.0	-34.0	-40.0	254.0	31.5	30.3	8.7	329.8	331.1	0.4	54.5	21.4	61.
	20.8	51.2	9576.9	300+0	-37.6	-45.1	258.3	36.9	36.1	7. 5	332.2	333.1	0.2	4.5 • 1	2567	64.
	30.9	95.6	10171.6	275.0	-42.2	99.9	254.1	32.8	31.5	9.0	334.2	999.9	99.9	999 <b>.</b> 0	30. 2	66.
	33.1	100.3	10809.5	250.0	-47.4	99.9	263.9	32.7	32.5	3.5	335.6	999.9	99.9	999.9	34.3	67•
	35.4	105.5	11496.6	225.0	-53.6	99.9	272.9	33.5	33.5	-1.7	336.3	999.9	99.9	999.9	38.3	70.
	37.9	111.0	12241.5	200.0	-60.2	99.9	271.4	31.7	31.7	-0.8	337.5	999 • 9	99.9	999.9	43.5	72.
	40.5	117-0	13064.3	175.0	-64.6	99.9	274.1	45.1	45.0	-3.2	343.4	999.9	99.9	999.9	49.2	75.
	43.3	123.7	14003.7	150.0	-64.8	99.9	254.7	30 • 7	29.6	8.1	358.6	999.9	99. 9	999. 9	54.8	76 s
	46.7	130-8	15114.1	125.0	-t t. 7	99.9	257.6	30.4	29.6	6.5	374.3	999.9	99.9	999.9	61.4	76.
	51.1	136.3	16452.0	100.0	-70.2	99.9	255.1	20.7	50.0		392.1		99.9	999.9	68. 1	76.
	56.0	146.7	18159.6	75.0	-70.7	99.9	218.2	13.3	8.2	10.4	424.7	999.9	99.9	<b>999.</b> 9	71.2	76.
	63.3	156.0	20625.9	50.0	-59.5	99.9	217-1	8.3	5.0	∕ 6.6	503.3	999.9	99.9	999.9	74. 1	75.
				10.5		00.0	70.0		_ = 1 '	_10	470 0	OCO. O	90.0	000.0	72-0	74.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

75.3 166.3 25066.0

STATICN NO. 265 MIDLAND. TEX

					* · ·			0.0 0.	· •					•	77 17	, ,	
	TIME	CNTCT	<b>FEIGHT</b>	PRES	TEMP	DEW PT	DIR	SPLED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC .	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	11.3	673.0	910.9	18.3	8.8	185.0	4.6	0.4	4.6	300.4	321.9	7.9	54.0	0.0	G.	
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.	
	99.9	95.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
	99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
	99.9	99.9	99.9	925.0	99.9	99.9	95.9	99.9	99.9	69.9	99.9	959.9	99.9	999.9	999. 9	999.	
	0.4	12.2	977.8	900.0	24.3	16.0	999.9	99.9	99.9	¢5.9	308.3	343.9	12.9	60.0	999.9	999•	
	1.2	14.2	1224.4	875.0	22.6	14.7	999.9	99.9	99.9	99.9	309.0	342.5	12.1	60.8	999. 9	999.	
	2.2	16.2	1476.6	850.0	21.0	14.7	999.9	99.9	99.9	99.9	309.8	344.5	12.5	67.3	999. 9	999.	
	3.0	18.3	1734.9	825.0	19.1	12.2	999.9	99.9	99.9	99.9	310.3	340.9	10.9	64.1	999. 9	995.	
	4.0	20.4	1999.3	800.0	17.9	3.4	230.1	5.1	3.9	3.3	311.1	329.6	6 • 5	39.9	2. 1	27.	
	4.9	22.5	2269.7	775.0	15.9	-6.6	250.7	4.5	4.3	1.5	311.4	320.5	3.0	20.6	2.3	30.	
	5.8	24.8	2546.6	750.0	13.5	-7.6	248.7	5.1	4.7	1.9	311.6	320 • 4	2.9	22.2	2. 4	34.	
	6.7	27.0	2831.0	725.0	12.4	<b>-5∙5</b>	234.3	10-1	8.2	5.9	313.5	324.1	3, 5	28 • 1	2. 8	36.	
۲.	7.7	29.4	3124.5	700.0	11.0	-10.0	231.5	14.4	11.3	9.0	315.0	322.9	2.6	21.9	3, 5	41.	
	8.7	31.9	3426.3	675.0	ۥ5	-12.0	231.7	16.2	12.7	10.1	315.5	322.5	2.3	22.0	4.5	43.	
	9.7	34.4	3736.7	650.0	5.8	-14.2	235.9	17.4	14.4	9.8	315.8	322.0	2.0	22.1	5. 5	45.	
	10.7	36.7	4055.7	625.0	2 • 6	-16.4	243.3	18.1	16.2	e. 1	315.7	321.1	1.7	22.9	6.5	47.	
	11.9	39.4	4384-1	600.0	-0.2	-18.2	253.5	19.3	18.5	5.5	316.1	321.0	1.5	24.2	7.8	51.	
	13.1	41.9	4722.9	575.0	-2.9	-20.4	253.7	21.6	20.7	6.1	316.8	321.0	1.3	24.3	9.1	55.	
	14.3	44.7	5073.3	550.0	-5.8	-22.9	255.4	23.3	22.5	5. 9	317.3	320.9	1.1	24.4	10.7	57.	
	15.5	47.6	5435.5	525.0	-9.3	-25.2	259.1	22.5	22.1	4.3	317.3	320.4	0.9	26.1	12.3	60.	
	16.8	50 • 4	5810.5	500.0	-12-1	-28.7	264.2	22.1	22.0	2.2	316.3	320.7	0.7	23.4	13.9	63.	
	19.0	53.3	6201.9	475.0	-13.6	-32.5	265.8	22.6	22.6	1.6	321.1	322.9	0.5	18.5	15.4	65.	
	19.3	56.3	6610.5	450.0	-16.8	-35.0	268.1	22.7	22.0	0.7	322.2	323.7	0.4	18.7	17.2	67.	
	20.9	59.6	7037.3	425.0	-20.1	~37.7	268.8	23.6	23.6	0.5	323.2	324.4	0.3	18.9	19.2	70.	
	22.4	63.0	7483.0	400.0	-24-1	-41.0	265.6	24.8	24.7	1.9	323.6	324.6	0.3	19.2	21.3	72.	
	24.2	66.3	7950.7	375.0	-27.6	-43.9	262.3	28.7	28.5	3.9	325.0	325.7	0.2	19.4	24.1	73.	
	25.9	70.0	8442.8	350.0	-31.6	-47-1	260.0	31.3	30.8	5.4	326.1	326.7	0.2	19.7	27.1	74.	
	27.8	73.7	8963.0	325.0	-35.7	-50.5	260.1	30.5	30.0	5. 2	327.4	327.8	0.1	20.0	30.5	75.	
	29.7	77.8	9514.1	300.0	-40.4	59.9	258.0	33.3	32.6	6.9	328.4	999.9	99.9	999.9	34.2	75.	
	31.8	82.0	101C0-5	275.0	-45.3	99.9	258.6	34.7	34.0	6.9	329.6	999.9	99.9	999.9	38 • 6	75.	
	34.3	86.4	10728.9	250.0	-50.6	99.9	264.3	35.7	35.5	3.5	330.9	999.9	99.9	999.9	43.8	76.	
	36.9	91.2	11408.7	225.0	-54.9	99.9	264.8	35.8	35.7	3.3	334.3	999.9	99.9	999.9	49.3	77.	
	39.5	56.2	12155.1	200.0	-59.3	99.9	256.5	36.3	35.3	8.5	338.9	999.9	99.9	999.9	54.8	77.	
	42.6	101.8	12987.3	175.0	-6C.2	99.9	267.3	42.8	42.8	2.0	350.6	999.9	99.9	999.9	62.5	78.	
	46.2	.108.3	13951.0	150.0	-59.8	99.9	254.9	29.9	28.8	7.8	367.2	999.9	99.9	999.9	69.8	79.	
	50.4	115.3	15078-5	125.0	-64.0	99.9	249.9	38.3*	36.0	13.1	379.2	999.9	99. 9	999.9	78.0	78.	
	55+5	123.7	16437.1	100.0	-67.5	99.9	249.8	26.5*	24.9	9.1	397.4	999.9	99.9	999.9	87.3	7.8.	
	61.2	133.0	18164.1	75.0	-67.B	99.9	253.1	14.6*	14.0	4.2	430.7	999.9	99.9	999.9	92.9	. 76.	
	70.7	143.3	20668.6	50.0	-60.7	99.9	237-1	4.9	4.1	2.7	500.5	999.9	99.9	999.9	96. 6	76.	
	86.3	154.5	25128.3	25.0	-50-4	90.0	31-1	2.3	-1.2	-1.9	639.9	999.9	99.9	999.9	97.0	76.	

<sup>\*</sup> BY SPEEC HEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 304 HATTERAS. NO.

### 24 APRIL 1975 515 GMT

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CNTCT HEIGHT PRES TEMP CEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE TIME GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN 291.8 316.7 9.6 69.0 0.0 0. 1025.0 19.4 13.6 220.0 5.7 3.7 4.4 0.0 3.9 4.0 231.4 27.5 21.5 17.2 293.4 314.4 7.9 56.4 0.7 3c. 1000.0 19.2 10.3 0.8 5. 8 216.8 293.5 312.8 57.1 1.6 975.0 228.2 15.3 11.4 10.2 7.3 47. 8.0 433.9 17.2 8.7 1.5 227.3 15.7 11.5 10.7 293.5 313.2 7.4 64.9 2.1 47. 655.2 950.0 15-1 2.2 10.3 8.6 293.8 314.1 7.7 74.2 3. 1 47. 880.7 925.0 13.2 8.7 228.1 26.4 19.6 17.6 2:9 12.5 47. 1110.6 900.0 11-1 7.0 225.2 18.5 14.0 12.1 293.9 312.6 7.0 75.9 4.1 3.6 14.8 176.0 19.4 -1.4 19.3 294.0 310.9 6.3 75.8 4. 9 48. 17.0 1345.2 875.0 9.1 5.0 4.3 -11.9 80.4 5. I 30. 5.1 19.5 1585.1 850.0 7.2 4.0 144.8 20.7 16.9 294.4 310.7 6.0 306.5 53.4 30. 1830.5 825.0 -2.5 217.4 15.2 9.3 12.1 295.7 3.9 5.9 5.9 21.8 5.3 297.9 305.9 37.8 6.4 32. -7.3 9.5 2.8 6.7 24.3 2083.0 800.0 6.0 228.8 12.6 8.3 7. 2 34. 298.6 305.2 34.2 7. 5 26.7 2342-1 775.0 4.2 -10.2 242.5 10.3 9.1 4.7 2.3 299.6 307.6 2.7 44.8 7.4 36. 8.4 29.2 2607.9 750.0 2.5 -8.3 250.0 9.3 8.8 3.2 9.0 20.5 7.7 38. 9.2 31.5 2881.6 725.0 1.9 -18.5 256.0 9.3 5.5 361.7 305.5 1.2 10.1 700.0 -15.4 261.3 10.2 10.1 1.5 303.3 308.2 1.6 28.9 8.1 4 C. 34.6 3163.9 0.5 -15.9 265.0 11.4 11.4 1.0 303- 6 308.8 1.6 33.2 8. 5 43. 10.9 37.1 3454.4 675.0 -1.8 3753.4 -13.4 271.3 11.2 11.2 -0.3 304.6 310.9 2.1 48.3 8. 9 45. 11.7 40.0 650.0 -4.1 -2.7 306.2 310.3 1.3 32.8 9.3 46. 42.6 4061.8 625.0 -5.6 -19.6 282.9 12.3 12.0 12.6 13.7 4381.2 600.0 -7.2 283.6 -3.0 307.8 310.3 0.8 20.5 9.7 52. 45.6 -26.0 12.9 12.5 310.1 312.6 0.8 22.3 10.3 55. 575.0 278.5 12.8 12.6 -1.9 14.6 48.5 4712.2 -8.5 -26.9 267.4 15.8 -5.0 312.5 320.4 2.6 80.0 10.9 58. 5055.8 550.0 -10.1 -13.0 16.5 15.7 51.4 19.9 17.4 -9.5 315.4 324.0 2.8 89.3 11.6 63. 525.0 298.7 16.8 54.6 5414.6 -11.1 -12.5 301.7 1204 5788.2 500.0 -13.4 -15.3 20.1 17.1 -10.6 316.9 324.2 2.3 85.6 69. 17.9 57.6 324.5 -10.5 318.4 1.9 83.2 13.2 73. 19.0 60.9 6176.9 475.0 -16.0 -18.2 300.1 20.9 18.1 324.7 20.2 64.4 6582.2 450.0 -18.8 -21.4 298.7 20.1 17.6 -9.7 319.7 1.5 80.0 14.4 75. 325.3 21.5 67.7 700643 425.0 -21.4 -26.0 288.5 20.4 19.4 -6.5 321.7 1.1 66.1 15.7 81. 7450.6 400.0 -24.6 -30.4 280.9 21.1 20.7 -4.0 323.1 325.7 0.8 58.0 17.0 93. 22.7 71.0 -28.4 275-1 -1.9 324.0 325.9 0.6 56.9 18.7 65. 24.1 74.7 7917.1 375.0 -34.3 19.9 19.8 25.5 78.7 8407.8 350.0 -32.3 -38.2 275.9 20.1 20.0 -2.1 325.1 326.5 0.4 55.6 20.3 85. 278.2 8925.5 325.0 -37.1 325.5 326.6 0.3 21.7 26.8 £2.5 -41.3 19.6 19.4 -2.8 04.6 86. 999.9 28.4 86.7 9473.3 300.0 -42.0 278.3 20.8 20.6 -3.0 326.2 99.9 999.9 24.1 97. 99.9 20.0 19.5 327.2 999.9 99.9 999.9 25.4 98. 29.9 91.2 10055.8 275.0 -46.9 99.9 282.3 -4.2 31.5 13681.0 250.0 -51.3 283.0 30.9 30.1 -6.9 329.8 999.9 99.9 999.9 28. 1 89. 95. 3 99.9 999.9 -14.7 332.2 999.9 99.9 31.0 21. 33.3 100.8 11357.9 225.0 -56.3 99.9 299.5 29.8 25.9 12094.8 999.9 999.9 995. 35.0 106.3 200.0 -£2.3 99.9 999.9 99.9 99.9 99.9 334.0 999.9 99.9 999.9 999.9 999. 9 999. 36 · 8 112.0 12909.7 175.0 -65.7 99.9 999.9 99.9 99.9 99.9 341.5 99.9 99.9 99.9 99.9 150.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99.9 125.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 999.9 999.9 999. 9 999. 99.9 99.9 99.9 100.0 99.9 99.9 99.9 99.9 99.3 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 59.9 59.9 99.9 75+0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 99.9 99.9 999.9 99.9 999.9 99.9 99.9 99.9 50.0 99.9 99.9 99.9 99.9 99.9

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<sup>\*</sup> EY SPEED HEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 311 ATHENS. GA

24 APRIL 1975 600 GMT

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	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E PUT T	MX RTO	RH	RANGE	ÄZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC .	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	6.9	246.0	992.6	17.7	14.4	160.0	4.6	-1-6	4.3	292.9	320.1	10.5	81.0	0.0	. 0.	<b>)</b> .
	99.9	99.9	99.9	1000.0	99.5	99.9	99.9	99.9	99.9	99.9	99•9	999•9	99.9	999.9	999.9		
	0.5	ۥ 6	399.3	975.0	17.2	13.5	190.4	1366	2•5	13.4	293.8	320 • 1	10.1	79.2	0.3	347.	
	1.4	10.9	621.0	950.0	16.0	11.5	191.6	17.2	3.5	16.8	294.6	318.5	9.1	74.8	1.0	1.	
	2.1	12.3	E47.9	925.0	15.7	9.2	202.3	17.5	6.7	16.2	29605	317.7	7.9	65.0	1.8	9.	
	2.9	15.6	1080.6	900.0	14.9	8+6	211.3	15.1	7.8	12.9	297.9	319.1	7.8	66.0	2.5	14.	
	3.7	10.0	1318.4	875.0	12.9	6.8	219.5	13.9	8.9	10.7	298.2	317.6	7.1	60.4	3.2	19.	
	4.6	20.5	1561.4	850.0	10.7	6•6	221.5	14.4	9.6	10.8	298.3	313.1	7.3	75.9	3.8	23.	
	5.4	23.0	1809.6	825.0	8.2	5.9	225.3	15.4	11.0	10.8	298.2	317.5	7.1	85.2	4.6	26.	
	6.3	25.5	2063.5	800.0	7.0	-7.0	233.9	13.2	10.7	7•8	299.1	308.3	3, 2	41.5	5.3	29.	
	7 • 3	26.1	2324.2	775.0	6.6	-5.5	248.1	10.0	9+2	3. 7	301.4	310.9	3.3	42.0	5. 9	32.	
	8.2	30.8	2593.5	750.0	6.2	2 • 1	273.2	9.3	9.3	-0.5	304.1	321.0	6.0	75.0	6. 2	30.	
	9.2	33.6	2870•8	725.0	4.2	1.1	. 282.9	11.5	11.2	-2.6	304.8	321.1	5.7	80.2	6. 5	41.	
	10.1	36.1	3156.1	700.0	3. 2	1 • 3	288.6	12•7	12.1	-4.1	306.8	324.1	6.1	88. C	6.8	46.	
4.	11.2	35.0	3450+4	675.0	2.6	-7.0	293.2	11-1	10.2	-404	309.0	319.0	3.4	49.1	7.2	52.	
	12.2	41.8	3754.4	650.0	-0.4	-2.2	288.2	10+1	9.6	-3.2	309.2	323.8	5.0	87.3	7. 5	56.	
	13.3	44.3	4067+4	625+0	-2.2	-5.2	287.1	1101	10.6	-3.3	310.5	322.8	4.2	79.7	8.0	6 C •	
	14.4	47.8	4391.7	600.0	-3.6	-8.4	288.5	12.2	11.6	-3.9	312,3	322.5	3.4	69.2	8.5	64.	J
	15.5	50.7	4726+9	575.0	-5.0	-10.7	293.4	12.8	11.8	-5.1	313.6	322.6	2.9	67.9	9. 1	68∙	
	16.7	53.9	5073.8	550.0	-6.1	-14.3	295.0	12.9	11.7	-5.5	314.7	321.8	2.3	60.9	9.7	72.	
	17.9	56.9	5433.2	525.0	-11.5	-14.4	292.9	13.1	12.1	-5.1	314.8	322.3	2.4	79.4	10.4	75+	
	19.0	€0•3	5805.9	500.0	-13.8	-20.2	286.8	12.6	12.0	-3.6	316.3	321.3	1.5	58.7	11.2	78.	r
	20.3	63.7	6194.5	475.0	-15.2	-26.8	286.0	13.1	12.6	-3.6	319.2	322.2	0.9	36.3	12.0	80.	ı, •.
	21.7	67.0	6600.9	450.0	-18.2	-32.4	284.5	14.6	14-1	-3.7	320.4	322.3	0.5	27.2	13.0	82.	r i
	23.0	70.6	7025.7	425.0	-20.7	-57.9	283.4	20.1	19.6	-4.7	322.4	322.5	0.0	2.0	14.4	84.	
	24.6	74.3	7471 • 1	400.0	-23.9	-58.8	280.3	21.4	21.0	-3.8	323.8	323.9	0.0	2.3	16.3	8€.	
	26.2	78.2	7939.1	375.C	-27.3	-60.1	280.9	24.9	24.4.	-4.7	325.4	325 · 5	0.0	2.7	18.3	86.	:
	27.8	82.0	8431.7	350.0	-31.5	-61.9	291.3	25.5	25.0	-5.0	326.1	326.2	0.0	3.2	20.8	89.	
	29.6	66.0	8951.5	325.0	-35.5	-63.9	285.7	26.4	25.4	-7.2	327.7	327.8	0.0	3. €	23.5	91.	<i>i</i> .
	31.5	50.4	9503.3	300.0	-40.4	99.9	282.1	28.7	28.1	-6.0	328.4	999.9	99.9	999.9	26.6	93.	i s
	33.5	95.0	10089.6	275.0	-45.5	99.9	267.9	26.9	25.6	-6.3	329.3	999.9	99.9	999.9	29. 9	94.	j
	35.8	99.8	10719.2	250.0	-49.9	99.9	291.1	26.7	24.9	-9.6	331.8	999.9	99.9	999.9	33. 6	96.	, .
	38.2	1 C4. 9	11401.0	225.0	-54.6	99.9	293.9	33.8	30.9	-13.7	334.8	999.9	99.9	599.9	37. 4	97.	i.
	40.7	110.2	12145.9	200.0	-59.9	99.9	295.6	41.2	37.2	-17.8	336.0	999.9	99.9	999.9	42.8	100.	
	43.4	- 115-8	12973.5	175.0	-62.3	99.9	289.9	32.7	30.7	-11,1	347.2	999.9	99.9	999.9	48.6	102.	
	46.9	122.3	13924.9	150.0	-61.7	99.9	287.6	31.6	30.1	-9.5	363.9	999.9	99.9	999.9	56. l	102.	<i>i</i> .
	50.6	129-3	15055.8	125.0	-61.8	99.9	282.1	28.1	27.4	-5.9	383.0	999.9	99.9	999•9		103.	
	54.8	127.0	16424.0	100.0	-65.8	99.9	259.0	10.6	10.4	2.0	400.7	999.9	99.9	999.9	68.0	102.	,
	59.4	144.7	18148.3	75.0	-68.0	99.9	306.6	9.2	7.4	-5.5	430.3	999.9	99.9	999.9	70.9		
	67.7	153.3	20624.1	.50.0	-62.0	99.9	315.8	6.5	4.5	-4.7	497.4	999.9	99. 9	999.9		103.	
	81.1	162.7	25022.8	25.0	-52.5	99.9	290.7	4.4	4,2	-1.6	634.3	999.9	99.9	999•9	75. 9	164.	j

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP HEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 317 GREENSBORG. NC

#### APRIL 1975 515 GMT

163 19. 0 TIME CNTCZ HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE AZ PCT DG MIN GPW MB DG C DG C DG M/SEC M/SEC M/SE C DG K DG K GM/KG KM 0.0 7.4 275.0 989.6 18.9 13.3 200.0 7.2 2.5 6.8 294.2 319.9 9.8 70.0 0.0 C. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 0.5 8.7 402.5 975.0 17.4 10.6 210.1 13.7 6.9 11.9 293.8 315.7 8.3 64.3 0.4 29. 10.5 211.5 15.2 7.9 13.0 294.0 316.2 8 . 4 72.2 0.9 30. 1.2 11.0 623.7 950 . 0 15.4 316.8 82.7 1.8 32. 2.0 13.5 845.5 925.0 13.3 10.4 217.0 18.8 11.3 15.0 294.0 8.6 8.7 35. 1080.2 900.0 12.7 10.1 226.4 22.6 16.4 15.6 295.8 318.9 84.3 2.8 2.9 15.9 320.2 94.3 3. 7 39. 296.4 8.9 3.5 18.3 1316.8 875.0 11.0 10.1 236.4 18.4 15.3 10.2 97.9 4. 7 297.5 321.1 8.8 44. 20. 8 1556.7 850.0 9.4 243.8 18.6 16.7 8. 2 4.6 9.8 298.4 320.3 96.4 5.7 48. 249.9 6.6 8.1 5.5 23.4 1806.7 825.0 8.3 7.8 19.3 18.1 299.7 320.2 95.2 6.7 52. 257.5 19.3 4.3 7.5 26.0 2360.9 800.0 7.1 6.3 19.8 6.5 0.2 301.0 320 . 3 7.0 92.8 7. 5 57. 2322.1 269.5 19.2 19.2 7.5 28. 9 775.0 5.9 4.5 302.4 320.5 91.0 8.7 62. 2590.6 285.1 18.5 17.9 -4.8 6.5 8.5 31.6 750.0 4.6 3.3 301.3 -9.2 303.2 320 • 1 6.0 93.3 9.4 57. 9.6 34.5 2866.5 725.0 2.7 1.7 17.7 15.1 72. -9.5 303.9 319.4 5.4 94.4 10.1 10.6 37. 2 3150.0 700.0 0.7 -0.1 307.9 15.5 12.3 91.4 77. 11.8 3441.8 675.0 -0.9 -2.1 299.5 14.8 12.8 -7.3 305.3 319.2 4.9 10-6 40.2 12.9 42. 3 3742.3 650.0 -3.2 -3.8 298.7 16.2 14.2 -7.7 305.9 318.8 4.5 95.5 11.4 80. -9.5 309.5 13.0 -10.8 708.4 317.3 3.0 64.7 12.2 83. 13.9 46.0 4051.9 625.0 -3.9 16.9 -11.2 310-1 316.1 1.9 45.5 12.9 87. 49.3 4373.7 600.0 -5.4 -15.3 319.5 14.7 9.5 15.0 -8.6 31361 310.4 1.0 23.4 13.5 90. -23.5 314.3 12.4 8.8 16.2 52. 1 4707.4 575.0 -5.9 5053.9 93. -10.3 313.8 316.5 0.8 22.5 14.1 55.4 550.0 -8-7 -26.3 318-7 13.7 9-0 17.4 40.4 5412.0 312.4 15.4 11.4 -10.4 314.3 318.1 1.2 15.0 96. 525.0 -11.9 -22.6 18.6 58. 6 75.6 98. -17.7 293.5 -6.6 315.7 321.6 1.9 16.1 62.1 5783.7 500.0 -14-4 16.5 15.1 20.0 17.6 17.7 17.6 317.0 322.3 1.7 79.0 98. 6171.1 475.0 -17.1 -19.A 277.0 -2.2 21.5 65.6 70.9 19.3 98. 450.0 18.4 0.2 318.8 323.0 1.3 23.0 69.1 6575.1 -19-5 -23.4 269.3 18.4 21.0 425.0 -27.8 19.4 1.3 320.0 323.1 0.9 62.3 97. 24.6 72.7 6997.7 -22.6 266.3 19.5 80.6 22.8 96. 76 . 6 7439.6 400.0 -26-2 -28.6 265.1 22.2 22.1 1.9 320.9 324.0 0.9 26.1 80.4 7903.0 375.0 -30.0 -34.7 267.1 22.0 22.0 1.1 321.9 323.8 0.5 63.3 25.0 95. 27.8 8390.6 350.0 -33.4 -59.3 285.7 24.3 23.4 -6.6 323.7 323.8 0.0 5.4 27.5 95. 84.5 29 . 6 8906.4 325.0 -37.7 289.0 25.7 -8.8 324.6 324.7 0.0 5.8 30.6 97. -62.0 27.2 31.6 88.6 282.0 999.9 999.9 33.6 98. 9453.3 -41.8 69.4 27.9 27.3 -5.8 326.5 99.9 33.7 93.2 300.0 -9-0 328.3 999.9 99.9 999.9 37.6 95. 285.8 33-1 31.9 35.7 97.8 10037.5 275.0 -46.2 99.9 99.9 288.3 999.9 999.9 41.9 99. -51.3 99.9 34.5 32.5 -10.8 329.8 1066443 37.8 102. 8 250.0 34.9 -13.9 330.9 999.9 99. 9 999.9 47.0 100. 108-2 11339.9 -57-2 99.9 291.7 37.5 40.4 225.0 27.8 999.9 999.9 53.4 102. 296.5 31.0 -13.B 334.3 99.9 43.4 113.8 1207€.0 200.0 -62.2 99.9 999.9 60.1 103. -16.5 343.7 999.9 99.9 46.5 119.8 12894.2 175.0 -6454 99.9 293.6 41.3 37.9 999.9 68.8 104. 13856.3 99.9 293.8 36.3 33.2 -14.7 369.6 999.9 99.5 50.3 126. 3 150.0 -58.3 999.9 76.2 106. 15000.7 125.0 -60.1 99.9 292.5 41.3 38.2 -15.8 386.3 999.9 99.9 54.6 133.8 99.9 283.4 22.7 22.1 ~5.3 400.1 999.9 99.9 999.9 84. 4 106. 16368.1 100.0 -66e l 59.4 141.3 99.9 280.9 6.6 -1.3 432.6 999.9 99.9 999.9 88.8 107. 65.3 149.3 18104.5 75.0 -66.9 6.8 503.0 999.9 99.9 999.9 93.0 107. 158.0 20601.6 -59.6 99.9 59.4 5.8 -5.0 -3.0 73.9 50.0 633.5 999.9 99.9 999.9 91.1 109.

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<sup>#</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 327 NASHVILLE: TENN

24 APRIL 1975 515 GMT

								**:								
TIME	CNTCT	<b>HEIGHT</b>	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.4	180.0	995.0	20.6	14.9	180.0	6.2	0.0	6.2	295.6	324.1	10.8	70.0	0.0	0.	
99. 9	99.9	59.9	1000.0	99.9	99.9	99.9	99.9	90.9	99.9	99.9	999.9	99.9	999.9	990.9	999	
0.6	7.0	356.2	975.0	20.7	14.7	198.7	19.4	6.2	18.4	297.4	326.3	10.9	68.8	0.5	11.	
1.4	9.4	580.8	950.0	19.3	14.9	203-1	21.1	8.3	19.4	298.3	328.2	11.3	75.8	1.4	17.	
2.2	11.6	809.9	925.0	17.2	14.7	210.4	24.3	12.3	21.0	298.5	329.0	11.5	.85.3	2.5	21.	
3.1-	14.0	1043.7	900.0	15.7	15.0	222.6	23.3	15.7	17.1	299.3	331.2	12.0	95.6	3.8	26.	
4.0	16.3	1283.2	875.0	14.3	13.5	230.5	24.8	19.2	15.8	300.2	330.3	11.2	94.9	5- 1	32.	
5.0	18.9	1528.3	950.0	17.9	10.9	237.4	23.7	20.0	12.8	300.9	327.3	9.7	88.1	6.4	36.	
. 5.9	21.2	1778.7	825.0	10.3	9.6	241.6	22.3	19.6	10.6	300.7	325.6	9.2	95.2	7.5	40.	
6.9	23.9	2034.5	800.0	8.1	7.8	238.8	24.6	21.1	12.7	300.9	323.7	8.4	98.1	8. 8	43.	
7.8	26.3	2296.7	775.0	8.5	-3.8	242.7	21.5	19.1	9.8	303.5	314.5	3.8	42.6	10.1	46.	
8.8	29.1	2567.1	750.0	7.1	-11.0	237.6	21.1	17.8	11.3	304.6	311.2	2.2	26.2	11.3	47.	ŧ
9.9	31.9	2845-1	725.0	5.9	-20.9	236.0	20.9	17.3	11.7	306e1	309.5	1.1	13.8	12.7	46.	
10.9	34.8	3131.5	700.0	4.5	-21.8	237.7	19.5	16.5	10.4	307.5	310.6	1.0	12.8	13.9	49.	
12.0	37.5	3427-1	675.0	3.2	-13.9	240.6	17.9	15.6	8.8	309.5	315.5	1.9	27.2	150 0	50 <b>•</b>	
13.1	40.4	3731.7	650.0	1.2	-18.9	243.8	18.2	16.4	8.1	310.5	314.7	1.3	20.5	16.3	51.	
14.3	43.4	4046.0	625.0	-0.9	-10.9	244.3	15.0	13.5	€. S	311.7	319.8	2.7	46.5	17.3	52.	
15.5	46.5	4371.2	600.0	-2.2	-44.6	258.6	16.4	16.1	3.2	313.5	313.9	0 • 1	2.2	18. 6	53.	
16.8	49.8	4707.0	575.0	-5.3	-40.5	272.7	16.4	16.4	-0.8	313.7	314.4	0.2	4.3	19.5	55.	
16.1	£2.9	5053.8	550.0	-8-5	-35.0	271.9	19.8	19.8	-0.7	314.0	315.2	0.4	9.7	20.6	57.	
19.2	56.0	5412.2	525.0	-11.7	-32.4	269.9	21.6	21.6	0.0	314.3	316.0	0.5	15.9	21.9	59.	
20.6	59.6	5783.3	500.0	-15.3	-26.3	270.7	23.1	23.1	-0.3	314.5	317.5	0.9	41.0	23.3	62.	
21.6	63.0	6168.4	475.0	-18.4	-19.9	268.6	28.5	29.5	0.7	315.4	320.6	1.7	87.6	25.0	64.	
23.0	66.6	6569.5	450.0	-21.9	-34.3	269.0	28.8	28.8	0.5	315.7	317.9	0.7	45.9	27.1	. 65.	
24.4	70.3	6989.2	425.0	-23.6	-44.5	275.5	25.2	25.1	-2.4	318.7	319.3	9.2	12.6	29.1	67.	
26.1	74.1	7430.6	400.0	-26.0	-45.5	273.5	31.1	31.0	-1.9	321.2	321.7	0.2	13.9	31.5	7 C.	
27.8	78.2	7894.9	375.0	-29.0	-47.8	283.2	24.3	23.6	-5.5	323.2	323.7	0.1	14.2	34.1	72.	
29.7	82.2	8384.7	350.0	-32.4	-50.4	274.5	29.6	29.5	-2.3	325.0	325.4	0.1	14.6	37.1	74.	
31.5	86.4	8904.3	325.0	-35+6	-52.9	276.8	30-4	30.2	-3.6	327.6	327.9	0.1	14.9	40.1	76.	
33.5	91.0	9455.8	30C.0	-40.4	99.9	277.0	32.5	32.3	-4.0	328.5	999.9	99.9	999.9	43.9	78.	j., .
35.5	95.7	10043.2	275.0	-45-1	99.9	282.7	28.3	27.6	-6.2	329.9	999.9	99.9	999.9	46.8	79.	
38.0	100.7	10671.6	250.0	-50.8	99.9	231.7	32.7	32.0	-6.6	330.6	999.9	99.9	999.9	51.3	91.	
40.6	106.0	11349.3	225.0	-56.7	99.9	282.4	28.6	28.0	-6.1	331.7	999.9	99.9	999.9	55.7	83.	
43.6	111.8	12087.4	200.0	-60.9	99.9	288.2	25.6	24.3	-8.0	336.3	999.9	99.9	999.9	60.5	85.	
46.5	117.6	12908.5	175.0	-65-1	99.9	275.8	39.9	39.7	-4.0	342.5	999.9	99.9	999.9	65.8	86.	
50.3	124.3	13858.3	150.0	-59.9	99.9	272.8	30.3*	30.3	-1.5	367.0	999.9	99.9	999.9	74.9	87.	4.
54.9	131.0	15002.6	125.0	-60.0	99.9	267.9	25.3*	25.2	0.9	386.4	999.9	99.9	999.9	83.3	88.	
59.9	138-3	16379.0	100+0	-66.1	99.9	252.7	16.0*	15.2	4.7	400.1	999.9	99.9	999.9	90.2	88.	
66.3	145.3	18107.0	75.0	-67.9	99.9	282.6	10.7	10.4	-2.3	430.7	999.39	99.9	999.9	95 <sub>3</sub> 1	86.	
75.3	152.7	20605.0	- 50.0	-59.7	99.9	227.2	0.6	· 0.5	0.4	502.9	999.9	99.9	999.9	98.8	88.	
89.9	160.5	25035.8	25.0	-51.9	99.9	331.7	2.5	1.2	-2.2	636.4	999.9	99.9	999.9	98.7	89.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE ROCK. ARK

				•													
	TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCHP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	5.6	79.0	1003.4	20.6	16.8	100.0	2.6	0.0	2.6	295.1	326.7	12.1	79.0	0.0	٥.	
	0.1	5.8	108.5	1000.0	20.6	17.4	190.5	8.3	1.6	8.2	295.5	328.4	12.6	81.6	0.1	5.	
	0.8	7.9	327.9	975.0	20.0	18.3	194.6	14.3	3.6	13.9	297.1	333.2	13.8	90.1	0.5	11.	
	1.6	10.2	552.7	950.0	19.7	17.8	203.4	19.9	7.9	18.3	299.0	335.1	13.7	89.1	1.2	15.	
	2.2	12.3	782.3	925.0	17.6	15.6	208.B	21.0	10.1	18.4	299.0	331.2	12.2	87.7	2. 1	20.	
	3.0	14.6	1016.7	900.0	16.1	13.5	211.9	22.8	12.1	19.4	299.6	328.8	10.9	84.5	3.0	23.	
•	3.6	16.5	1256.4	875.0	15.0	11.5	214.7	20.6	11.7	16.9	300.7	327.2	9.8	79.4	3.9	26.	
	4.5	19.3	1502.0	850.0	13.5	11.1	220.3	20.1	13.0	15.4	301.6	328.2	9.8	85.6	4.9	25.	
	5 • 3	21.5	1753-5	825.0	12.5	9.6	224.2	20.8	14.5	14,9	303.0	328 . 1	9.2	83.0	6.0	30.	
	6.3	24.0	2011.5	800.0	11.2	0.4	231.3	22.1	17.2	13.8	304.1	325.2	7.6	72.5	7. 2	33.	5, t 5, t
	7.3	26.4	2276-8	775.0	10.3	4.3	230.3	24.3	18.7	15.5	305.8	324 . 8	6.7	66.0	6.5	36.	À
	9.2	29.0	2549.1	750.0	8.4	1.4	228.4	25.0	18.7	16.6	306.4	322.6	5.7	61.3	9.8	38.	
	9.1	31.7	2829.3	725.0	8.3	-6.6	223.7	26.9	18.6	19.4	307.0	318.6	3.2	34.4	11.1	39.	
	9.9	34.4	3118.3	700.0	7.0	-15.1	218.3	27.1	16.8	21.3	310.4	315.7	1.7	19.0	12.6	39.	
	10.9	27.0	3416.3	675.0	5. 7	-11.3	221.8	27.8	18.5	20.7	312.3	319.7	2.4	28.5	14.1	3.90	
	11.6	39.8	3724.4	650.0	4.2	-0.2	233.2	24.8	19.9	14.9	314.2	325.3	3.7	46.5	15.7	40.	
	12.9	42.5	4042.4	625.0	1.9	-7.0	244.8	20.9	18.9	8.9	315.1	326.0	3.6	51.6	17.0	420	
	13.9	45.4	4370.7	600.0	-0.9	-3.9	248.7	21.0	19.6	7.6	315.7	330.1	4.8	86.3	18. 2	43.	
	15.1	46.5	4708.8	575.0	-4.1	-7.9	251.4	22.9	21.7	7.3	315.6	326.8	3.7	74.9	19.6	45.	
	16.4	51.5	5058.1	550.0	-6.8	-13.9	254.4	24.4	23.5	6.6	316.3	323.8	2.4	56.9	21.2	48.	į.
	17.6	E4. 7	5419.7	525.0	-9.4	-24.0	256.8	23.8	23.2	5.4	317.3	320.7	1.0	29.3	22.7	50.	
	18.9	57.8	5794.3	500.0	-13.1	-24.0	255.1	26.4	25.5	6.8	317.2	320.8	1.1	39.1	24.5	52.	
	20.4	61.1	6182.4	475.C	-16.8	-27.8	251.9	26.1	24.8	8.2	317.3	320.4	0.9	43.4	26.7	54.	
	21.7	64.9	6587+9	450.0	-18.0	-61.4	251.4	20.6	19.6	6.6	320.5	320.6	0.0	1.0	28.4	55.	
	23.1	68.2	7012.1	425.0	-21.4	-63.5	253.7	21.7	20.8	6.1	321.5	321.6	0.0	1.0	30.4	56.	
	24.6	71.3	7455.4	400.0	-25.5	-63.3	263.4	22.6	22.5	2.6	321.8	321.9	0.0	1.5	3200	57.	
	26.1	75.8	7920.0	375.0	-29.0	-63.4	272.6	20.3	20.3	-0.9	323.2	323.3	0.0	2.0	33, 9	59.	
	28.0	80.0	8439.7	350.0	-32.3	-64.1	261.8	30.9	30.6	4.4	325.1	325.1	0.0	2.5	36.5	61.	
	30.2	E4. 0	8929-1	325.0	-35.7	-65.2	269.8	21.8	21.8	0.1	327.3	327.4	0.0	3.1	38. 6	63.	, i
	32.5	22.4	9490.1	30.0 · C	-40.5	99.9	262.4	24.4	24.2	3∙ 2	328.3	999.9	99.9	999.9	41.6	65.	
	34.9	93.2	10065.5	275.0	-46.1	99.9	273.3	19.2	19.1	-1.1	326.5	999.9	99.9	999.9	45.0	55.	
	37.4	98.2	10692.3	250.0	-51.3	99.9	267.4	25•5	25.4	1.1	329.7	999.9	99.9	999.9	48.6	68.	
	40.3	103.4	11371.4	225.0	-55.6	99.9	262.3	33.4	33.1	4.4	333.3	999.9	99.9	999.9	54.4	59.	þ
	43.2	105. 3	12112.2	200.0	-61.1	99.9	263.8	34.1	33.9	3.7	336.0	999.9	99.9	999.9	61.0	71.	ď
	46.8	115.4	12936.7	175.0	-61.7	99.9	260.8	34.9	34.5	5.6	348.1	999.9	99.9	999.9	68.5	72.	ò
	51.0	122.3	13890.1	150.0	-61.5	99.9	267.7	and the state of t	33-5	1. 3	364.1	999.9	99.9	999.9	78.6	73.	
	55.7	129.7	15017.4	125.0	-62.9	99.9		29.7*	29.6	2.9	361.2	999.9	99.9	999.9	87.0	74.	-33
	61.0	137.8	16375.6	100.0	-68.6	59.9	261.9	25.4+	25•2	3.6	395.1	999.9	99.9	999.9	94.9	75.	
	67.7	166.0	18099.7	75.0	-66.2	99.9	239.3	18.3=	15.7	9. 3	434.2	999.9	99.9	999.9	102-4	75.	1
	76.9	155.3	20588.7	50.0	-61.7	99.9	80.3	1.8	-1.8	-0.3	498.3	999.9	99.9	999.9	105.1	74.	j'
	91.3	165.0	24987.8	25.0	-54.7	59.9	252.9	4.0	3.8	1.2	627.5	999.9	99.9	999.9	107.0	76.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEC-

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349 MONETTE. MO

24 APRIL 1975 600 GMT

157 19. 0

	TIME	CNTCT	HEI GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GFM	MB	DGC	DG C	DG	M/SEC	M/SEC	M/SF C	DG K	DG K	GM/KG	PCT	KM	DG
	0.0	8.4	438.0	958.3	20.6	17.0	190.0	7.7	1.3	7.6	299.1	333.2	12.9	80.0	0.0	0.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9		
	99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
	0.2	9.1	513.5	950.0	20.6	17.9	197.3	13.4	4.0	12.8	300.2	336.6	13.7	83.2	0.4	1.5.
	1.1	11.1	744.4	925.0	19.3	17.7	197.4	15.9	4.8	15.2	360.9	338 • 0	14.0	90.4	1.0	17.
	2.3	13.5	980.2	900.0	17.2	16.8	207.9	21.7	10.2	19.2	301.0	337.0	13.5	97.4	2. 3	20.
	3.2	15.7	1221.0	875.0	15.8	15.5	220.5	23.8	15.4	18.1	301.9	336.3	12.8	98.2	3.5	25.
	4.3	18.0	1467.6	850.0	14.7	14.4	229.8	26.6	20.4	17.2	303.2	336.3	12.3	98•1	5. 1	32.
	5.3	20.4	1720.8	825.0	13.6	13.3	235.9	22.7	16.8	12.7	304.6	336.6	11.8	97.9	6.6	36.
٠	6.6	22.8	1980.0	800.0	11.6	11.2	240.7	21.7	18.9	10.6	304.9	333.9	10.6	97.6	8.1	41.
	7.8	25.3	2245.7	775.0	10. x	8. 9	238.9	22.1	18.9	11.4	305.9	331 • 6	9.3	92.0	9.6	44.
	8.7	27.8	2518.2	750.0	8.4	7.0	240.5	19.5	16.9	9.6	306.8	330 • 3	8.4	90.8	10.7	46.
	9.6	30.4	2797.9	725.0	5.8	2.5	242.9	19.0	16.9	8.6	306.6	324 • 6	6.4	79.6	11.7	47.
	10.5	33.1	3084.5	700.0	4.0	-0-5	245.0	18.1	16.4	7.6	307.5	322.8	5.3	72•8	12.7	
	11.6	35.7	3380.2	675.0	2.5	-0.3	247.6	15.6	14.4	5. 9	369.2	325•2	5• €	81.5	13.7	50.
	12.8	38.6	3684.6	650.0	0.5	<del>-</del> 6.3	248.2	18.0	16+7	6.7	310.0	321.0	3.7	60.5	14.8	51.
	13.8	41.1	3998.9	625.0	-0.0	-29.4	255.4	18.0	17.4	4.5	312.5	314.3	0.5	8.8	15.9	53.
	15.0	44.1	4324.0	600.0	-3.2	-30.5	247.9	20.4	18.9	7.7	312.5	314.2	0.5	9. 9	17+1	54.
	16.2	47.1	4659.3	575.0	-5.0	-36.9	241.7	20.7	18.2	9.8	314.1	315.1	0.3	6.1	18.6	55.
	17.5	50.2	5006.7	550.0	-7.8	-43.7	243.5	21.0	19.4	9.7	314.9	315.4	0.1	3.7	20.1	56.
	19.0	53.1	5366.7	525.0	-10.2	-47.9	244.6	20.7	18.7	8.9	316.1	316.5	0.1	2.8	22.2	56.
	20.5	56 1	5741.2	500.C	-11.9	-52.4	244.1	20.2	18.2	8 • 8	318.4	318.7	0.1	1.9	23, 9	57.
	22.0	59.6	6131a0	475.0	-15:3	-47.4	239.3	21.2	18.2	10.8	318.9	319.3	0.1	4.5	25. 7	57.
11	23.4	63.0	6536.1	450.0	-18.8	-46.1	236.6	20.9	17.4	11.5	319.5	320.0	0.1	6.9	27. 6	
	25.1	66.4	6959.0	425.0	-2202	-48.3	238.0	21.6	18.3	11.4	320.4	320.8	0.1	7.2	29.8	57.
j.	26.8	70-1	7400.8	40C+0	-26.4	-49.2	241,5	20.8	18.4	9.9	320.6	321.0	0.1	9.5	31.8	57•
	28.7	73.7	7863.6	375.0	-30-1	-52.1	247.B	22.3	20.6	.8•4	321.7	322.0	0.1	9.6	34.4	58.
	30.7	77.6	8351.3	350.0	-33.3	-54.2	249.1	30.2	28.2	10.8	323.7	324.0	0.1	10.1	37.4	59.
	32.8	61.8	8867.6	325.0	-36.9	-58.3	246.4	32.0	29.3	12.8	325.7	325.8	0.0	8.8	41.3	50.
	34.8	86.0	9416.6	300.0	-41.1	99.9	248.5	30.9	28.7	11.3	327.5	999.9	99.9	999.9	45.1	60.
	37.2	90.7	10002.3	275.0	-45.6	99.9	249.5	30.0	28.1	10.5	329.1	599.9	99.9	999.9	49.5	61.
	39.7	95.7	10630.2	250.0	-50.8	99.9	256.3	29.7	28.8	7-1	330.6	999.9	99.9	999.9	54 • 1	62.
	42.6	100.7	11308.7	225.0	-55.7	99.9	257.6	32.8*	32.0	7.0	333.1	999.9	99.9	999.9	58.7	63.
	45.4	106.5	12055.4	200.0	-57.8	99.9	274.5	30.4*	30.3	-2.4	341.3	999.9	99.9	999.9	64.4	55.
	48.3	112.5	12886.7	175-0	-63.4	99.9	265.1	28.0*	27.9	2.4	345.3	999.9	99.9	999.9	69.0	67.
	51.e.5	119.0	13532.6	150.0	-62-1	99.9	252.5	35.3*	33.7	10.6	363.2	999.9	99.9	999.9	74 - 1	68•
	56.0	126.7	14965.3	125.0	-61.3	99.9	261.9	46.7*	46.3	6• 6	384.1	999.9	99.9	999.9	85• I	69.
	60.9	135.0	16349.7	100.0	-63.0	99.9	249.5	40-1+	37.5	14.0	406.0	999.9	99.9	999.9	94.5	70.
	67.2	143.3	18100.0	75.0	-60.8	99.9	246.4	12.6*	11.5	5.0	445.4	999.9	99.9	999.9	101.2	71.
	75.6	152.5	20607.4	50.0	-58.4	99.9	239.7	9.1	7.8	4.6	506.0	999.9	99. 9	999.9	104.4	71.
	89-1	162.0	25020.7	- 25.0	-54.1	99.9.	48.6	5.1	-3.8	-3.4	629.1	999.9	99.9	999.9	107.8	71.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363 AMARILLO. TEX

24 APRIL 1975

	· .			152	16.	•
515 GMT				135	100	

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GP#	MB	DG C	DG C	DG	M/SEC.	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	13.9	1095=0	883.7	15.0	-2.4	250.0	5.1	4.8	1.7	299.0	309.3	3.6	30.0	0.0	. 0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9		
99.9	55.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	999.9		
99.9	99.9	99•9	950.0	59.9	99.9	99.9	39.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.5	999.9		
99.9	96.9	99.9	900•0	99.9	99.9	99.9	99.9	99.9	\$9.9	99.9	999+9	99.9	999.9	999.9	9990	,
0.3	16.6	1180.0	875.0	20.6	-4.4	278.1	13.2	13.0	-2.9	305.6	315.0	3.2	18.2	0.4	A8.	j.
1.1	1656	1431.4	850.0	22.7	-5.4	277.2	14.9	14.6	-1.9	310.4	319.4	3.0	14.7	0.8	94.	,
1.9	1.0. 8	1689.8	825.0	21.1	-6.9	271.0	15.8	15.8	-0.3	311.2	319.6	2.8	14.6	1.6	9.5	,
2.8	20.9	1554.4	800.0	18.9	-8.0	266.5	16.4	16.4	1.0	311.6	319.6	2.6	15.3	2.4	72.	,
3.6	23.2	2225.2	775.0	16.3	-8.3	260.2	15.2	15.0	2.6	311.7	319.8	2.6	17.7	3. 2	91.	; :
4.5	25.5	2502.5	750.0	13.7	-9.8	254.7	15.1	14.6	4.0	311.7	319.1	2.4	18.5	4.0	86.	
5.4	27.7	2786.0	725.0	10.8	-11.0	252.0	16.0	15.2	5.0	311.6	318.6	2.3	20.3	4.8	85.	,
6.2	30.1	3076.7	700.0	7.9	-12.2	248.3	16.3	15-1	6.0	311.5	318.1	2.1	22.6	5.6	83.	, j
7.3	32.7	3374.7	675.0	4.9	-13.4	239,8	14.7	12.7	7.4	311.4	317.6	2.0	25.0	6.5	. HO.	J.
8.5	35, 3	3681.5	650.0	3.0	-15.6	246.4	17.3	15.9	6.9	312.6	318.0	1.7	23.9	7. 6	77.0	
9.4	37.6	3997.4	625.0	0.2	-17.8	252.5	18.1	17.2	5.4	312.8	317.6	1.5	24.3	8.6	76.	
10.4	40.3	4322.8	600.0	-3.0	-19.9	254.4	16.3	15.7	4.4	312.8	317.0	1.3	25.7	9.6	76.	
11.6	42.9	4657.7	575.0	-6.2	-21.8	254.3	15.7	15.1	4.2	312.9	316.6	1,2	27.6	10.7	76.	
12.5	45.8	5003,9	550.0	-8.4	-18.7	250.3	15.4	14.5	5.2	314.2	319.3	1.6	43.4	11.7	76.	
13.8	4.8 • 8	5365÷5	525.0	-10.5	-22.2	253.3	15.7	15.0	4.5	316.0	319.9	1.2	37.3	12.8	75.	
15.0	51.5	5737.8	500.0	-12.4	-28.9	259•8	17.3	17-1	3.1	317.9	320.3	0.7	23.7	14.0		
16.4	54.6	6128-6	475.0	-13.7	-36.5	265• I	21.2	21.2	2.68	320.9	322.2	0.3	12.5	15.6	1.0	
17.6	57.6	≎536∙9	450.0	-17.2	-38.1	264.5	24.7	24.5	2.4	321.7	322.8	0.3	14.2	17.2		
19.2	61.0	6962-1	425.0	-21.0	-35.7	264.3	26.6	26.4	2.6	322.1	323.5	0.4	25-1	19.7		
20.6	64.4	7407.2	400.0	-24.5	-36.1	262.0	25.1	24.8	3+5	323.2	324.7	0.4	32.9	21.8	79.	
22.1	67.9	7873-6	375.0	-28-3	-40.3	261.7	27.8	27.5	4.0	324.1	325.2	0.3	30.3	24.3	79.	
23.9	71.5	9364.1	350.0	-32.9	-43.6	260.3	31.9	31.4	5.4	324.4	325.2	0.2	33.0	27.4	79.	
25.6	75.3	8880.9	325.0	-37-3	-47.1	263.4	30.4	30.2	3.5	325.2	325.8	0.2	35.0	30-5	79.	
27.5	79.7	9428.3	300.0	-42.2	99.9	265.6	30.0	30.0	2.3	325.9	999.9	99.9	999.9	34.0		
29.5	83.8	10012.0	275.0	-45.9	99.9	264.7	29.4	29.3	2. 7	328.8	999.9	99.9	999.9	37.5		
31.8	86.3	10638-8	250.0	-51.6	99.9	266.0	34.4	34.3	2.4	329.3	999.9	99.9	99 9 9	41.6		
34.0	93.4	11316.1	225.0	-55.7	99.9	265.6	30.0	29.9	2. 3	333.1	999.9	99.9	999.9	40.1		
36.4	98.6	12060.0	200.0	-59.7	99.9	263.2	38.7	38.4	4.6	338.3	999.9	99•9	999.9	51.3		
39.0	104.3	12868.0	175.0	-61.1	99•9	264.4	29.4	29.3	2.9	349.2	999.9	99.9	999.9	56.2		
42.2	111.0	13857.3	150.0	-57.7	99.9	254.6	31.2	30.0	8. 3	370.7	999.9	99.9	999.9	63.1	81.	
45.8	118.3	15C04.1	125.0	-59.9	99.9	247.8	31.2	28.9	11.8	386.6	999.9	99.9	999.9	70.1	80.	
50.1	127.0	16389.0	100+0	-59.5	99.9	250.8	25.3	23.9	8.3	412.8	999.9	99.9	999.9	77.5		
54.9	137.0	18161.6	75.0	-67.1	99.9	265.7	11.6	11.8	0.9	432.3	999.9	99.9	999.9	84.8		
62.5	148.0	20662.9	50.0	-59.3	99.9	251.9	17.4	16.5	5.4	503.8	999.9	99.9	999.9	87.4	79,	
74.7	159.7	25131.2	25.0	-49.7	59.9	307.6	5.7	4.5	-3.5	642.1	999.9	99.9	999.9	90.8	78.	Ĉ.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 402 WALLOPS ISLAND. VA

24 APRIL 1975 515 GMT

151 28. 0

										B					
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE KM	AZ DG
MIN		GFM	ME	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT		νG
0.0	4.5	4.0	1019.6	13.3	10.5	939.9	99.9	99.9	99.9	285.9	306.0	7.8	83.0	999. 9	999.
0.6	5.3	169.5	1000.0	17.2	11.9	999.9	99.9	99.9	99 <b>.</b> 9	291.6	314.6	8.8	71.0	999. 9	999.
1.2	7.5	385.8	975.0	16.7	10.5	999.9	99.9	99.9	99. 9	293.1	314.7	8 • 2	66.5	999. 9	999.
1.9	9.8	607.3	950.0	16.5	9.7	999.9	99.9	99.9	99.9	295.0	316.3	8.0	64.2	999. 9	999.
2.7	11.6	834.8	925.0	16.5	8.5	999.9	99.9	99.9	99.9	297.2	317.7	7.6	58.9	999.9	999.
3.4	13.8	1067.6	900.0	14.8	6.9	999.9	99.9	99.9	99.9	297.7	316.6	7.0	59.4	999. 9	999.
4.2	15.8	1305.4	875.0	13.1	5.0	€9.9	99.9	99.9	99.9	298.3	315.4	6.3	57.7	999.9	
5.0	17.9	1548.6	850.0	11.5	3.9	999.9	99.9	99.9	99.9	299.0	315.4	6.0	59.4	999.9	
5.3	20.2	1797.6	825.0	9.6	2.5	999.9	99.9	99.9	99.9	299.5	314.9	5.6	61.1	99 <b>9.</b> 9	
- 6.5	22.3	2052.4	800.0	7.6	0.3	999.9	99.9	99.9	99•9	299.9	313.7	4.9	59.7	999.9	
7.4	. 24.6	2313.4	775.0	5.8	-2.7	999.9	99.9	99,9	99.9	300.5	312.1	4.1	54.5	999. 9	
8.1	. 26. 7	2581.1	750.0	4.2	-5.5	999.9	99.9 1	99.9	99. 9	301.5	311.3	3.4	49.2	999• 9	
9.0	29.2	2855.7	725.0	1.6	-7.2	999.9	99.9	99.9	99.9	301.6	310.5	3.1	51.7	99 <b>9•</b> 9	
9.8	31.7	3137.4	700.0	-1.0	-8.1	999.9	99.9	99.9	99.9	301.7	310.4	3.0	58.6	999.9	
10.7	34.2	3426.5	675.0	-3.5	-9.3	999.9	99.9	99.9	99•9	302.0	310.2	2.8	64.0	999.9	
11.7	36.7	3723.5	650.0	-6.0	-10.3	999.9	99.9	99.9	99.9	302.4	310.3	2.7	71.9	999. 9	
12.6	39.3	4029.3	625.0	-8.9	-11.3	999.9	99.9	99.9	99.9	302.6	310.2	2.6	82.2	999. 9	
13.7	41.9	4344-1	600.0	-11.3	-11.5	999.9	99.9	99.9	59.9	303.3	311.1	2.6	98.5	999.9	
14.7	44.7	4665.8	575.0	-13.4	-13.7	999.9	99.9	99.9	99. 9	304.5	311.4	2.3	98.1	999. 9	
15.7	47.6	5009.6	550.0	-11.3	-11.5	999.9	99.9	99.9	99.9	311.0	319.8	2.9	98.3	599. 0	
16.8	50.4	5366.7	525.0	-12.0	-13.5	999.9	99.9	99.9	99.9	314.3	322.2	2.6	88.6	999.9	
17.9	53.4	5739.3	500.0	-13.7	-17.2	999.9	99.9	99.9	99.9	316.6	322.8	2.0	74.8	999.9	
19.0	56.4	6127.2	475.0	-16.8	-18.9	999.9	99.9	99.9	99.9	317.3	323.0	1.8	83.6	999.9	
20.1	59. 6	6531.3	450.0	-19+7	-21.7	999.9	99.9	99.9	99.9	318.6	323.5	1.5	83.7	999.9	
21.4	63. 1	6953.4	425.0	-23.0	-24.2	999.9	99.9	99.9	99.9	319.6	323.7	1.3	90.4	999. 9	
22.7	66.4	7395•4	400.0	-26.0	-26.2	999.9	99.9	99.9	99.9	321.2	325.0	1.1	98.5	999.9	
24.3	70-1	7859.7	375.0	-29.6	-32.3	999.9	99.9	99.9	99.9	322.4	324.7	0.7	77.8	999.9	- /
26.0	73.8	8346.3	350.0	-33.5	-38.5	999•9	99.9	99.9	99.9	323.5	324.9	0.4	60.6	999. 9	
27.7	77• 3	8864-0	325.0	-37.7	-45.5	999.9	99.9	99.9	99.9	324.6	325•3 999•9	0.2	43.8 999.9	999.9 999.9	
29.8	82.0	9410.5	300.0	-42.3	99.9	999.9	99.9	99.9	99.9	325.7	999.9	99.9 99.9	999.9	999.9	
31.6	86+2	9993.0	275.0	-46.B	99,9	999.9	99.9	99.9	99.9	327.4	999.9	99.9	999.9	999.9	
33.6	91.0	10616.7	250.0	~52.0	99.9	999.9	99.9	99.9 99.9	99•9 99•9	328.8 331.7	999.9	99.9	999.9	999.9	
35.6	96.3	11292-2	225.0	-56.7	99.9	999.9	99.9	99.9	99.9	334.7	999.9	99.9	999.9	999.9	
37.9	101.3	12028.7	200.0	-61.9	99.9	999.9	99•9 99•9	99.9	99.9	341.6	999.9	99.9	999.9	999.9	
40.0 42.7	107.3 113.8	12845.7 13790.5	175.0 150.0	-65•7 -60•7	99•9 99•9	999.9	99.9	99.9	99.9	365.6	999.9	99.9	999.9	999. 9	
	121.0	14929.8	125.0	-57.3	99.9	999.9	99.9	99.9	99.9	391.2	999.9	99.9	999.9	999.9	
46.4 50.7	129.0	16322.1	100.0	-62.1	99.9	999.9	99.9	99.9	99.9	407.7	999•9	99.9	999.9	999.9	
56.0	137.7	18092.8	75.0	-66.3	99.9	999.9	99.9	99.9	99.9	434.0	999.9	99.9	999.9	999.9	
		20597.5	50.0	-59•1	99.9	999.9	99.9	99.9	99.9	504.3	999.9	99.9	999.9	999.9	
99.9	146-0	20597•5 99•9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
7707	7707	77.7	2000	2303	A 8 6 6	7707	7767	77.9	7767	7707	77707	7707	22262	77787	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 405 STERLING. VA

125 134. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V. CEMP	POT T	E PUT T	MX RTC	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	Kw	ÐG
0.0	5.7	. 85.0	1006.3	16.1	12.7	180.0	5.1	0.0	5.1	290.0	313.7	9.2	80.0	0.0	0.
0.1	6.2	138.6	1000.0	16.2	13.0	196.2	16.C	4.5	15.3	290.7	315.1	9.4	80.9	0.4	44.
0.6	8.6	355.3	975.0	17.7	12.0	199.7	16.0	5.4	15.1	294.2	318.1	9.1	69.4	C. 5	39.
1.2	10.9	577.2	950.0	16.2	10.3	215.9	17.5	10.3	14.2	294.8	316.8	8.3	67.6	1 - 1	32.
1.8	13.4	603.8	925.0	14.7	9.2	226.3	20.7	14.9	14.3	295.4	316.6	7.9	69.4	1.7	37a
2.3	15.7	1035.4	900.0	13.3	7.9	229.0	21.2	16.0	13.9	296.2	316.3	7.5	70.0	2.4	40.
3.0	18-1	1272.0	875.0	11.3	7.1	233.8	21.5	17.4	12.7	296.5	316.0	7.2	75.1	3. 3	43.
3.6	20.6	1514.2	850.0	10.2	5.5	243.2	25.9	23.1	11.7	297.7	315.9	6.7	72.5	4.1	46.
4.2	23.1	1761.9	825.0	8.1	4.4	249.7	27.4	25.7	9.5	298.0	315.4	6.4	77.3	5. 1	50.
4.9	25.7	2015.4	800.0	5.8	4.9	254+3	27.3	20.3	7.4	298.2	316.9	6.8	94.4	6.0	54.
5.4	28 • 2	2274 . 8	775.0	3.7	3.5	261.2	25.6.	25.3	3. 9	298.6	316.1	6.4	98.5	7.0	57.
6.3	31.0	2541.3	750.0	3. 1	2.9	274.0	23+1	23.0	-1.6	300.7	318.2	6.3	98.4	8.0	61.
7.3	33.8	2815.8	725e0	1.3	1.0	279.6	22.5	22.2	<del>-</del> 3.8	301.6	317.5	5.7	98•2	9.1	67.
8.4	3€. 5	3098.4	700.0	0,6	0.3	280.3	20.7	20 • 4	-3.7	303.8	319.6	5.6	95.0	10.4	71.
9.6	39.4	3389.9	675.0	-1.1	-1,4	281.2		17.8	-3.5	305.1	319.8	5.1	97.8	11.6	75.
10.7	42.0	3690.8	650.0	-2.5	-2.8	281.8	17.0	16.7	-3.5	300.7	320 • 5	4.8	97.6	12.6	77.
11.9	45.0	4001.7	625.0	-4-1	-4.4	281.7	18.0	17.6	-3.7	308.4	321.3	4.4	97.4	13.7	79.
13.1	48. I	4323.5	600.0	-5.5	-5.9	277.3	16.2	16-1	-2.1	310.3	322.5	4.1	97.2	14.9	81.
14.4	51.0	4656.8	575-0	-7.2	-7.6	270.5	18.9	18.9	÷0•2	312.0	323.2	3.8	96.9	16.4	82.
15.7	54.3	5002.4	550.0	-9.6	-10.1	275-1	17.8	17.8	-1.6	313.1	322.9	3.2	96.5	17.7	83.
17.0	57.3	5360.4	525.0	-11.9	-12.4	279.2	17.7	17.5	-2.8	314.4	323.1	2.8	95.9	19.0	84.
18.5	60.7	5732.1	500.0	-15.0	-22.1	279.1	17.9	17.6	-2.8	314.9	317.2	1.3	55.0	20.5	85•
20.0	64.3	6117.8	475.0	-18-0	-33.1	280.0	55.1	21.8	-3.8	315.7	317.4	0.5	25.1	22. 3	84.
21.7	67.7	6519.6	450.0	-21.0	-37.3	283.4	21.4	20.8	-5.0	316.8	318.0	- 0 • 3	21.4	24.5	88.
23.5	71.1	6935.3	425.0	-24-1	-35.7	275.9	28.6	28.5	-3.6	316.1	319.6	0.4	33.1	27.0	89.
25.4	75.0	7379.7	400.0	-26.1	-31.6	267.9	27.8	27.7	1.0	321.1	323.4	0.7	59.5	30.4	89.
27.9	79.0	7843.7	375.0	-29.6	-35.7	268.9	34.7	34.7	0.7	322.4	324.1	0 • 5	55.0	35.0	89.
30.4	82.8	9332.1	350.0	-33.8	-44.2	271.5	32.4	32.4	-0.8	323.1	323.9	0.2	33.6	40-1	89.
33.0	87.0	8846.7	325.0	-38.1	-63.8	277.4	37.4	37.1	-4.8	324.0	324.1	0.0	4.8	45.0	90.
36.2	91.6	9392.1	300.0	-42.9	99.9	278.7	27.0*	20.7	-4.1	324.9	999.9	99.9	999.9	50.2	91.
39.5	96.2	9972.9	275.0	-47.5	99.9	276.4	31.7*	31.5	-3.5	326.5	999.9	99.9	999.9	55.7	91.
42.7	101.0	19596.4	250.0	-52.0	99.9	284.6	22.7*	22.0	-5.7	328.7	999.9	99.9	999.9	62.6	
46.0	106.3	11270.9	225.0	-57.4	99.9	287-1	44.54	42.6	-13-1	330.6	999.9	99.9	999.9	70.3	94.
49.4	111.9	12006.0	200.0	-63.0	99.9	287.8	44.7*	42.5	-13.6	333.1	999.9	99.9	999.9	75.4	95.
53.6	117.8	12818.9	175.0	-67.7	99.9	287.8	37.1*	35.3	-11.3	338.3	999.9	99.9	999.9	85.3	96.
59.9	124.5	13768-5	150.0	-59.3	99.9	297-1	36.0+	32.1	-16.4	368.0	999.9	99.9	999.9	97.7	990
99.9	99.9	Ç9.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	99.9	99.9	75.0	59.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999+9	
99.9	99.9	99.9	25.0	99. 9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	7776

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 425 HUNTINGTON. WVA

159 16. 0

,							212 0						•	J, 10.	, •	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	. M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
. 0.0	7.3	246.0	985.1	15.6	10.6	180.0	2.6	0.0	2.6	291.1	312.5	8.2	72.0	0.0	0.	
99.9	99 <b>.</b> 9	99.9	1000.0	99.9	99.9	99.9	99.9.	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.2	e. 3	333.6	975.0	15,4	9.5	198.0	14.0	4.3	13.3	291.7	312.0	7.7	67.7	0 • S	1.	
1.0	10.5	554.3	950.0	15.3	9.4	204.B	15.5	6.5	14.1	293 <b>.</b> e	314.5	7.08	67.7	0.6	14.	
1.7	12.8	780.7	925.0	15.7	9.2	219.0	19.2	12.1	14.9	290.4	317.7	7.9	65.2	1.3	24.	•
2,6	15.2	1013.3	900.0	. 14.4	9.4	231.0	31.0	24.1	19.5	297.5	319.7	8.3	7107	2.5	34.	
3.3	17.5	1251,4	875.0	13.5	9.8	238.7	33.9	28.9	17.6	299•0	322.6	8 • 8	78.1	4.1	42.	
4.2	20.0	1495.5	850.0	12.4	7.9	253.4	27.2	26.1	7.8	300.2	321.7	7.9	73.9	5. 5	490	
5.1	22. 3	1746.1	825.0	11.2	6.7	261.0	26.2	25.9	4.1	301.4	322.0	<b>7</b> • 5	73.5	6.5	55.	
6.0	24,9	2002.4	800.0	8.6	5.7	267.9	20.5	20.5	0.7	301.3	321.1	7.2	81.8	7. 5	59.	
6.9	27.3	2264.7	775.0	6.6	5.7	261.3	17.1	16.9	2.6	301.8	322.4	7.5	94.4	8.9	62.	
7. R	30.0	2534.0	750,0	5.5	2 • 4	254.5	14.8	14.3	4.0	303.3	320.4	6.1	80.4	9.6	63.	
8.6	32.7	2810.9	725.0	3.6	0.6	. 251.0	14.2	13.5	4.6	304.2	319.8	5.5	80.6	10.2	64.	
9.4	35.3	3095.6	700:0	2.2	-0.2	251.3	13.4	12.7	4.3	305.6	321.0	5.4	84.6	11.0	64.	
10.4	38. 3	3388.2	675.0	~06	-0.9	256.9	15.3	14.9	3. 5	305.6	320.8	5.3	97.6	11.7	55.	
11.4	49.7	3690.4	650.0	-1.2	-3.5	266.2	17.4	17.3	1.2	308.2	321.5	4.6	84.8	12.8	66.	
12.5	43.5	4002.0	625.0	-3.7	-1101	267.3	17.8	17.8	0.9	308-5	316.4	2.6	56.2	13.9	68.	
13.6	46.6	4323.4	600.0	-5.9	-18.4	267.9	13.9	13.9	0.5	309.5	314.2	1.5	36.9	14. 9	69.	
14.8		4655.2	575.0	-8•5	-23.9	266.5	13.3	13.3	0.8	310-1	313.2	1.0	27.5	15.7	70.	
15.9	52 <b>.</b> 4	4999.1	550.0	-10-2	-22.5	277.1	13.4	13.3	~1.6	312.1	315.8	1.1	35.7	16.5	71.	
17.0	55.4	5355.8	525.0	-12.8	-25•3	263.5	15.7	15.3	-3.7	313.1	316.1	0.9	34.2	17.4	73.	
18.3	58.6	5725.5	500.0	-16.0	-25.6	283. i	18.1	17.6	-4.1	313.6	316.7	0 • 9	43.1	10.5	75.	
19, 6	61.9	6110.0	475.0	-18.6	-33.3	273.6	22.0	21.9	-1.4	314.9	316.6	0 e 5	26.1	19.9	77.	•
21.0	65-3	6510.4	450.0	-22.2	-36.0	273.5	24.4	24.4	-1.5	315.4	316.7	0.4	27.1	21.8	78.	
22.5	68.7	6928.2	425.0	-24.3	-46.7	282.1	22.0	21.5	-4.6	317.8	318.3	0 • 1	11-4	23, 8	30·	
24.0	72.1	7368.5	400.0	-26.2	-48.5	278.4	25.9	25.7	-3.8	320.6	321.3	0 • 1	10.2	25• B	82.	
25.5	76.0	7832,2	37.5 0	-29,8	-40.6	278.0	31 • 1	30.8.	-4.3	322.1	323.2	0.3	33.8	26. 4	63.	
27.1	80.0	8319.8	350.0	-33.8	-37.1	282,2	31.6	30.9	-6.7	323.2	324.8	0.4	71.7	31.2	85.	
28.7	e 3. s	8835.0	325.0	-38.2	-43.0	286.2	27.7	26•6	-7.7	324.0	325.0	0.3	59.9	33. 9	56.	
30.7	88.0	9381-1	300.0	-41.9	99.3	291.7	27.4	25.5	-10.2	326.3	999.9	99.9	999.9	36.8	58.	
32.7	92.5	9965.6	275.0	-45.9	99.9	285.9	32.4	31-1	-8.9	328.8	999.9	99.9	999.9	40.3	90.	
34.8	97.2	10592.3	250.0	-51.2	99.9	286.8.	34.0	32.6	-9.9	329.9	999.9	99. 9	999.9	44.2	92.	
36 • 9	102.0	11268.9	225.0	-55.8	99.9	280.3	36.7	36-1	-6.6	333.0	999.9	99.9	999.9	48.3	93.	
39. 1	107.3	12007.3	200.0	-62.4	99•9	283.5	35.1	34.3	-6.2	334.0	999.9	99.9	999.9	53.0	9.3.	
41 • 8	113.5	12626.2	175.0	-61.9	99.9	276.4	37.9	37.7	-4.2	347.7	999.9	99.9	999.9	59. 3	94.	
44.9	120.0	13793.6	150.0	-58.7	99.9	285.9	37.7	36.3	-10.3	369.0	999.9	99.9	999.9	66.5	95.	
48.4	127.0	14942.3	125.0	-58.5	99.9	279.2	24.9	24.6	-4.0	389.0	999.9	99.9	999.9	73.9	96.	
52.6	135.0	16335.0	100.0	-61.6	99.9	270.4	32.1	32.1	-0.2	408.8	999.9	99.9	999.9	79.2	95.	
57 • 2	143.0	18093-9	75.0	-64.8	99.9	272,5	16-1	16.1	-0.7	437.1	999.9	99.9	999,9	84.3	96.	
64.9	152.0	20603.0	50.0	-59.8	99.9	330.0	3.7	1.9	-3.2	502.7	999.9	99.9	999.9	87.6	96.	
78.1	161.7	25004+5	25.0	-52.6	99.9	302.4	5.1	4.3	-2.7	633.8	999•9	99.9	999 <b>,</b> 9	88. 1	97.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NG. 429 DAYTON. OHIO

# 24 APRIL 1975

109 137. 0 515 GMT

TIME	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT	D IR DG	SPEED M/SEC	U COMP M/SEC	V COMP M/SEC	POT T DG K	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE K4	AZ DG	
,,,,,,		-		• • •	• • •											
0.0	7.5	298.0	976.2	15.8	14.0	500.0	5.1	1.7	4. 8	292.3	319.2	10.4	89.0	0.0	٥.	
99.9	99.9	99.9	1600.0	. 99•9	99.9	99.9	99.9	90.9	99.9	99.9	999.9	99.9	999.9	999. 9		
0.2	7.8	308.5	2,500	15.5	13.5	196.4	11.4	3.2	11.0	292.1	318.3	10.1	87.8	0.1	26.	
1.2	10.1	528.8	950.0	13.9	12.6	205.3	18.7	8.0	16.9	292.6	319.0	9.7	91.6	C• 3	23.	
2.1	12.1	754.4	925.0	13.7	12.3	219.2	25+3	16.0	19.6	294.6	320.4	9.8	91.6	2.0	26.	
3.0.	14.3	985.6	900.0	13.0	10.6	231.7	26.8	21.0	16.6	296.0	319.9	9.0	85.7	3.4	35.	
4.0	16.4	1222.8	875.0	12.2	10.0	236.5	27.9	23.3	15.4	297.7	321.4	8.9	86.4	5.0	42.	
5.0	18.7	1465.7	850.0	11-1	9•7	241.7	24.5	21.5	11.6	299.0	323.1	8.9	91.0	6.5	46.	
5.8	20.9	1715.0	825.0	9.8	8.8	241.7	21.4	18.8	10.1	300-1	323.7	8. 7	93.5	7.6		
6.7	23. 2	1970.8	800.0	8 • 6	7.7	238.1	18.8	15.9	9.9	301.4	324.1	8.3	94.1	8.6	50.	
7.5	25•5	2233.8	775.0	7.6	6.7	237.3	15.1,	12.7	8 • 2	303.0	325.0	. 8.0	93.8	9.4	51.	
8.3	27.8	2504.1	750.0	6.2	5.4	236.1	14.5	12.0	8. 1	304,3	325.3	7.5	94.2	10.1	51.	
9 • 2	30.3	2751.1	725.0	3.6	2.8	239.1	.14.3	12.3	. 7. 4	304.3	322.4	6.5	94.3	10.9		
9.9	32.8	3066.4	700.0	2,5	1.6	239.5	14.7	12.7	7.5	306.1	323.5	6.2	93.5	11.5	52.	
10.6	35.3	3360.7	675.0	1.0	0.0	237.9		13.3	e• 3	307.5	323.8	5.7	93.1	12.1	52.	
11.4	37.7	3663.4	650.0	-1.8	-2.6	236.9	15.7	13.2	8.6	307.6	321.7	4.9	94.0	12.9		
12.1	40.3	3975.7	625.0	-2.4	-3 • 1	236.4	14.3	11.9	7.9	310.3	324.6	4.9	94.5	13.5	53.	
12.6	42.9	4299.7	600.0	-3.4	-4.2	235.4	13.3	10.9	7∙5	312.7	326.6	4.7	94.2	13.9		
13.1	45.7	4635.5	575 • 0	~5•8	-6.7	237.2	12.2	10.3	6.6	313.6	325.7	4.0	93.4	14.4	53.	
13.9	48.6	4981.6	550.0	-9.3	-10.5	245.9	11.9	10.9	4.9	313.4	322.9	3.1	90.8	14.8	53•	
14.5	51.4	5340.8	525.0	-10.6	-12.0	250.8	13.6	12.9	4.5	316.0	325.0	2.9	89.7	15.3	54.	
15.1	54.4	5715.2	500.0	-13.0	-14.5	253.0	17.0	1.6.3	5.0	317-5	325 • 3	2.5	88.1	15.8	54.	
15.6	57. 3	6104.7	475.0	-15.2	-17.0	253.7	21.1	20.2	5. 9	319.4	326.1	2.1	86.2	16.3	55.	
16.4	60.4	6509.6	450.0	-20.0	-22.3	255.6	25.9	25.1	6.4	318.2	322.8	1.4	81.7	17.4	56.	
17.4	63.9	6931.0	425.0	-23.5	-26.3	258+5	26.0	25.5	5. 2	319.0	322.5	1.0	77.2	19-0	56.	
18.9	67.0	7371.4	400.0	-26.9	-30.3	248.5	27.1	25.3	9. 9	320.0	322.6	0.8	73.1	21.1	60.	
21.0	70.3	7833.9	375.0	-30.8	-34.6	253.3	28•2	27.0	8.1	320.8	322.7	0.5	69.0	24. 6		
25.7	73.9	8319.7	350.0	-34,5	-38.7	252.4	28.8	27.5	8.7	322.2	323.6	0.4	65.1	32.2		
28.7	77.8	8833.2	325.0	-38.8	-43.3	246.2	33.7	30.8	13.6	323.1	324.0	0 • 2	62.0	37.4		
30.8	81.7	9377•0	300.0	-43.5	99.9	264.4	30.6	30.5	3.0	324.0	999.9	99.9	999.9	41.3		
31.9	e5. 7	9956.3	275.0	-48.5	99.9	278.3	32.4	32.1	-4.7	324.9	999.9	99.9	999.9	43.5		
33.5	90.3	10574.9	250.0	-54.9	99.9	265-1	35.1	34.3	-7.4	324.5	999.9	99. 9	999.9	45.9		
35.8	95.2	11238.6	225.0	-61.0	99.9	292.2	40.6	37.6	-15.4	325•1	999.9	99.9	999.9	49.5		
36.8	100.0	11962.3	200.0	-62.5	99.9	287.9	51.9	49.4	-16.0	333.7	999.9	99.9	999.9	56.5 64.5		
42.4	105-5	12825.3	175.0	-52.8	99.9	286.6	19.7	18.8	-5.5	362.8	999.9	99•9	999.9			
46,0	111.5.	13799.6	150.0	-61-0	99.9	269.8	20.9	20.9	0-1	365.1	999.9	99.9	999.9	68.1		
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999•9 999•9	999. 9 999. 9		
99.9	99. 9	99.9	100.0	99.9	99.9	99.9	99•9	99.9	99.9	99.9	999.9	99.9		959. 9		
99.9	99.9	99•9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9 999.9	999.9		
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9				
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	7774	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. SALEM. ILL

109 152. 0 TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEFO U CCMP V CCMP POT T E POT T MX RTO RH RANGE AZ GPM DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN M8 270.0 0.0 292.1 321.3 11.3 93.0 0. 0 ე. 5.5 175.0 990.8 16.7 15.6 .1.5 1.5 0.0 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 Ç9.9 99.9 999.9 99. 3 99.9 1000.0 99.9 99.9 77.7 975.0 17.0 13.1 335.8 12.3 5.0 -11.2 293.6 319.3 9.8 0.1 38. 0.3 6.5 312.6 -11.5 295.7 317.5 8.2 62.9 0.3 135. 534.7 950.0 17.1 10.0 332.3 12.9 6.0 1.0 8.5 7.7 0.9 145. 762.4 925.0 16.5 8.8 322el 13.9 8.5 -10.9 297.3 318.1 60.2 1.7 10.5 298.3 318.5 7.5 61.3 1.5 142. 2.4 12.5 995.4 900.0 15.3 7.9 313.3 11.9 8.6 -B. 1 1.9 139. -4.5 7.5 3.1 14.7 1233.6 875.0 13.1 7.5 303.0 8.9 7.4 298.4 318.7 68.8 2.2 136. 298.5 320.6 8.2 84.9 3.7 16.6 1476.7 850.0 10.8 8.3 277.5 6.7 6.6 -0.9 97.5 2.3 130. 18.9 1725.6 825.0 9.6 9.2 241.5 8.2 7.2 3.9 299.9 324.1 8.9 4. 4 228.7 13.4 10.1 8 · 6 302-2 326.7 9.0 97.4 2.4 122. 5.0 21.0 1981.6 800.0 9.2 8.8 228.0 16.9 12.5 11.3 304.2 328.5 8.8 97.3 2.7 106. 5.8 23.4 2245.6 775.0 8.5 8 . 1 230.8 17.7 13.7 11.2 305.0 327.4 8.1 97.0 3.4 92. 2516.8 750.0 6.8 6.7 25.6 6.4 306.5 327.8 7.6 96.8 4.0 84. 234.6 19.2 15.7 11.1 7.5 28.0 2795.0 725.0 5.5 5.0 7t. 232.6 22.0 17.5 13.4 305.4 320.1 5. 1 80.5 5.5 3080.7 700.0 2.1 -0.9 8.8 30·5 19.3 306.5 321.2 5. I 8 . 8 7.2 7C. 33.1 3373.7 675.0 0.2 -1.4 229.6 25.4 16.4 10.0 230.6 92.2 8.8 66. 3676.2 650.0 -0.9 -2.0 27.3 21.1 17.3 308.7 323e5 5.1 35.6 11.2 307.1 314.2 53.9 10.4 64. -13.0 233.5 28.7 23.1 17.0 2.3 12.1 37.9 3988.2 625.0 -4.9 309.6 317.5 64.2 12.2 63. 4C.5 4309.3 600.0 -5.9 -11.6 238.8 27.3 23.4 14.2 2.6 13.2 12.5 311.2 319.2 2.6 70.8 13.6 6é. 4641.5 -7.8 -12.2 243.8 28.2 25.3 14 . i 43.2 575.0 313.3 321 . 4 2.6 76.8 15.1 63. 14.9 46.1 4986.5 550.0 -9.3 -12.6 246.9 32.2 29.6 12.6 5344.8 314.8 318.7 1.2 39.6 17.9 63. 16.3 49.1 525.0 -11.4 -22.4 24701 30.7 28.3 11.9 321.9 17.8 52.0 5718.2 500.0 -13.1 -20.8 254.4 31.0 29.9 8.3 317.2 1.4 51.9 20.5 54. -14.9 -23.9 259.5 30.5 30.0 5.5 319.6 323.4 1.2 45.8 22.4 65. 18.9 55.0 6108.1 475.0 6514.8 -18.4 -28.1 260.9 28.8 28.5 4.5 320.1 322.9 0.8 42.1 24.1 67. 19.3 58.1 450.0 321.3 323.1 0.5 34. C 25.9 67. 20.9 6939.1 -21.6 -33.4 258.8 29.2 28.7 5.7 61.6 425.0 7382.8 400.0 -24.7 -39.8 264.2 28.0 27.8 2.8 322.8 324.1 0.4 28.5 28.1 6 R. 22.2 65.1 375.0 1.0 30.0 70. 7846.9 -28.4 -68.1 27104 27.4 27.4 -0.7 323.9 323.9 0.0 23.5 68.6 8340.4 -31.3 -70.0 273.5 25.2 -1.5 326.5 326 e 5 0.0 1.0 32.4 71. 7203 350.0 25.3 24.9 999. 9 995. 76.3 8861.7 -35.1 -72.6 999.9 99.9 99.9 99.9 328.2 328.2 0.0 1.0 26.2 325.0 99.9 999.9 99.9 99.9 99.9 328.9 999.9 99.9 999.9 999.9 999. 27.4 80.6 9413.3 300.0 -40.1 327.7 999.9 99.9 999.9 995. 9 999. 29.9 85.0 9999.2 275.0 -46.6 99.9 999.9 99.9 99.9 99.9 999.9 89.8 10627.9 250.0 -50.1 99.9 999.9 99.9 99.9 99. 9 331.5 99.9 999.9 999.9 999. 29.9 31.7 95.0 11304.3 225 · C -56.7 99.9 999.9 39.9 99.9 99.9 331.7 999-9 99.9 999.9 999.9 999. 100.4 12041.1 200.0 -61.0 99.9 995.9 99.9 99.9 99.9 336.2 999.9 99.9 999.9 999.9 999. 33.5 99.9 343.0 999.9 99.9 999.9 935.9 999. 106.5 12863.9 175.0 -64.8 99.9 999.9 99.9 99.9 35.1 99.9 150.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 . 999.9 999.9 999. 99.9 99-9 999.9 999. 99.9 99.9 99.9 99.9 999.9 99.9 999.9 99.9 99.9 99.9 125.0 99.9 99.9 9909 999.9 999.9 999. 99.9 99.9 100.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 75.0 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 50.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9

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<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451 DODGE CITY. KAN

147 13. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB.	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	D G	
0.0	13.4	791+0	914.4	16.7	-0.9	290.0	4.1	3.9	-1.4	297.9	308.9	3.9	30.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	59.9	99.9	99.9	99.9	99.9	99• 9	999.9	99.9	999.9	999. 9	994.	
99. 9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999. 9	999.	
99.9	99.9	¢ 5 • 9	950.0	` 99.9	99.9	99.9	99.9	99.9	99•9	99.9	999.9	99.9	999.9	999. 9		
99.9	99. 9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999•9	999. 9		
0.4	14.8	928.1	900.0	23.2	9.0	204.2	6.9	2.8	6° 3	306.6	329.1	8.1	40.5	0.3	139.	•
1.3	17.0	1174.0	875.0	24.4	-4.6	236,6	9.0	7.5	5.0	309.5	318.9	3.1	14.3	0. 4	83.	
2.0	19.4	1426.0	850.0	21.7	-6.5	237.1	10.6	8.9	5.8	309∙3	317.6	2.8	14.5	0.9	72.	
2.7	21.7	1683.2	825.0	19.3	-7.3	231.6	12.8	. 10∙0	8.0	309.4	317.5	2.7	15.7	1.3	65.	
3.4	24.1	1946.3	800.0	17.2	-8.9	229.5	14.0	10.6	9.1	309.8	317.2	2.4	15.9	1.9	61.	
4.4	26.4	2215.5	775.0	14.5	-10-1	226.1	15.6	11.2	10.8	309.7	316.7	2.3	17.2	2. 7	57.	
5 • 3	29.0	2491.0	750.0	12.5	-11.6	229.3	16.6	12.0	10.8	310.4	315.8	2.1	17.3	3. 6		
6.2	31.7	2773.7	725.0	9.9	-13.0	230.7	17.0	13.1	10.7	310.5	316.5	1.9	18.5	4.5	53.	
7.0	34.3	3063.4	700.0	7.2	-15.1	231.7	16.5	13.0	10.2	310.7	315.9	1.7	18.7	5.4	53.	
8.1	36.9	3360.9	675.0	4.6	-15.7	231-1	14.8	11.5	9.3	311.0	316.2	1.7	21.1	6.3	53.	
9.1	39-8	3666.7	650+0	1.8	-17.8	237.0	13.9	11.6	7.6	311.2	315.8	1.5 1.3	21.6 21.8	7.2 8.0	53. 54.	
10.0	42.4	3981.4	625.0	-0.8	-19.9	249.6	14.3	13.4	5.0	311.7	315.7			8.9		
11.1	45.3	4305.8	600.0	-3.5	-21.1	266.3	14.6	14.6	0.9	312.1	315.9	1.2	24•2 28•6	9.6	56. 60.	
12.2	48.4	4640.0	575.0	-6.8	-22.0	280.2	1404	14.2	-2.5	312.1	315.8			10.3	63.	
13.3	51.3	4985+3	550.0	-9.2	-24.2	275.9	13.9	13.9	~1.4	313.3	316.5	1.0	28.3			
14.5	54.4	5343.9	525.0	-11.3	-27.3	264.8	15.3	15.2	1.4	314.9	317.5	0.8	25.7	11.3	66.	
15.6	57.4	5717.0	500.0	-13.6	-24.3	253.7	16.3	15.6	4.6	316.5	320.0	1 • 1	39.9	12•3 13•3	67.	
16.8	60.9	6104.6	475.0	-16.9	-25.0	256.2	12.0	11.7	2.9	317.2	323.6	1.1	49.2 41.2	14.1	6H.	
18.0	64.3	6509.3	450.0	-19-2	-29.0	262.8	12.8	12.7	1.6	319.2	321.8	0•8 0•6	38.3	15.2		
19.3	67.7	6932.5	425.0	-22.2	-32.5	263.0	14.9	14.8	1.7	320.6	322.6	0.4	35 <sub>0</sub> 6	16.3	70.	
20.6	71.0	7374.7	400.0	-26.2	-36.9	262.7	15.6	15.5	2.0	320.9	322.2	0.3	35.0	17.9		
55.5	75.0	7837.6	375.0	-30.6	-41.0	262.8	17.4	17.2	2.2	321.1	322.2	0.2	33.1	19.5	72.	
23.8	79.0	8323.5	350.0	-34.9	-45.4	260.0	16.8	16.5	2.9 0.7	321.6 324.2	324.6	0.1	22.7	21.5		
25.5	82.8	8837.0	325.0	-38.0	-51.4	268.1	20.9	20.9		325.3	999.9	99.9	999.9	23.9		
27.6	87.0	9382.9	300.0	-42.6	99.9	271.1	22.4		-0.4	326.8	999.9	99.9	999.9	26.9	77.	
29.7	91.6 96.2	9965.0	275•0 250•0	-47.3 -50.7	99.9 99.9	273.6 264.6	26+2 27+1	26.1 26.9	-1.7 2.5	33C.6	999.9	99.9	999.9	30.1	re.	
31.9		10590.4								333.1	999.9	99.9	999.9	34.3		
342	100.8	11269.0	225.0	-55.8	99.9	264.Q 243.6	27.7	27.6 21.4	2.9	338.1	999.9	99.9	999.9	38.1	79.	
36.8	106.5	12012.8	200.0	-59.8	99.9		23.9	33.6	10.7	351.3	999.9	99.9	999.9	43.9		
39.9	112.3	12848.4	175.0	~59±7	99.9	261.0	34.0		5.3	•	999.9	99.9	999.9	50.1	77.	
43.6	118.5	13818.4	150.0	-57.8	99.9	246.8 253.0	31.1	28.6 30.0	12•2 9•2	370.5 390.6	999.9	99.9	999.9	58.3		
47.8	125.5	14970.5	125.0	-57.6	99•9		31.4			,	999.9	99.9	999.9	66.3		
52 • 6	133.0	16370.0	100.0	-60.4	99.9	241.6	21.9	19.3	10.4	41101	999.9	99.9	999.9	72. B		
58.7	140.3	10163.1	75.0	-63.7 -57.7	99.9	259.9	14.9 5.5	14.7 3.2	2,6 4,4	439.3 508.4	999.9	99.9	999.9	77.0	75.	
67 • 1	148.0	20693-8	50.0	-57 <sub>0</sub> 3	99.9	216.0				638.0	999.9	99.9	999.9	80.2		
80.6	155.7	25150.9	25.0	-51.1	99.4	269.1	4.4	4.4	0.1	030.0	77747	7767	22.20.2	00 g Z		

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456 TOPEKA. KAN

24 APRIL 1975 520 GMT

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TIME	CNTCT	HEIGHT	PRES	TEMP	DFW PT	DIR	SPEED	U COMP	V CGMP	POT T	E POT T	MX RTO	RH		ΑZ
MIN		GFM	MB	DG C	CG C	EG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM 0	DG
0.0	6.6	268.0	974.0	22.8	18.3	280.0	10.3	10.1	-1.8	300.1	336.6	13.8	76.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99•3	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.9	999.9 99	
99.9	99.9	99.9	975.0	· 99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 99	
0.7	8.5	482.6	950.0	17.7	10.1	288.3	20.6	19.6	-6.5	296.3	318.2	8.2	60.7	0.7 15	
1.4	10.6	710.7	925.0	17-1	7.8	291.0	22.9	21.3	-8.2	297.8	317.4	7.2	54.3	1.5 12	
2.1	12.6	943.9	900.0	15.4	5•5	295.7	20.6	18.6	-8.9	298.3	315.6	6.3	51.5	2.4 12	
2.5	14.7	1182-1	875.0	13.4	4.5	300.0	19.0	16.5	-9.5	298.5	31541	6.0	54.6	3.3 11	
3.8	16.3	1425.3	850.0	11.2	6.6	309.1	22.3	17.3	-14.0	298.8	318.6	7.3	74.0	4.6 12	
4.4	19-1	1674.0	825.0	8.9	7.0	311.7	16.6	12.4	-11.0	299.1	. 319.9	7•7	87.6	5.3 12	
4.8	21.2	1928.3	860.0	6.3	5.7	315.9	12.4	8.7	-8.9	298•8	318.5	7.2	96.1	5.6 12	
5. 2	23.5	2189.4	775.0	6.4	6.4	315.1	8.4	5.9	-6.0	301.7	323.1	7 <b>.</b> 8	100.4	5.8 12	
5.7	25.8	2458.8	750.0	5.5	5.5	285.4	3.8	3.7	-1.0	303.5	324.5	7.6	100.8		24.
6.0	28.3	2736.1	725.0	4.3	4.3	223.5	4.5	3.1	3° 3	305.1	325.4	7.2	103.3	5.9 12	
6.3	30.7	3022.0	700.0	3.4	3.4	206.1	7 e 1	3.1	` 6.3	307.1	326.9	7.0	103.8	6.0 12	
6.6	33.3	3317.2	675.0	2.9	2.9	194.6	10.9	2.7	10.5	309.9	330.0	7 <b>.</b> 1	102.8	6.0 12	
7.1	35•8	3624.9	650.0	4.0	3.7	185.5	14.3	1.4	14.2	314.5	336.9	7.7	98.3	5.9 11	
7.4	38.4	3944.3	625.0	3.0	2.8	179.7	15.5	-0.1	15.5	316.9	339.1	7 <b>,</b> 6	98.6	5.7 11	
8.3	41.0	4274.3	600.0	-1.0	-1.4	176,0	15.9	-1.1	15.8	315.7	332.8	5.8	96.6		ŭ 7.
9.3	43.8	4614.2	575.0	-2.0	-4,1	178.8	19.4	-0.4	19.4	318.3	333•1	4.9	85.7		96.
10.0	46.7	4967.3	550.0	-3.9	-6.5	178.7	23.6	-0.5	23.6	320.0	333.1	4.3	82.4		97.
.11.6	45.6	5332.9	525.0	- 8 • 5	-12.1	182.7	21.2	1.0	21.1	318.5	327.5	2.9	75.4		62.
15.3	52.4	5709.0	500.0	-11.9*	99.9	191.2	21.3	4.1	20.9	318.6	999.9	99.9	999.9		37.
19.4	55.4	6098.8	475.0	-15.8	-19.8	199.5	18.6	6.2	17.6	318.5	323.9	1.7	71.3		25.
21.3	58.4	6504.2	450.0	-18.9	-22.9	211.9	23.4	12.4	19.9	319.7	324.0	1.3	69.9		28.
23.2	61.8	6928.7	425.0	-21.0	-25,2	216.0	26.5	15.6	21.5	322.1	326.0	1.2	68.7		29.
24.8	65.2	7373 <b>.</b> 8	400.0	-24.3	-28.6	223.0	26.8	18.3	19.6	323.5	326.6	0.9	67.0		31.
26.3	68.6	7842.9	375.0	-25.9	-30.4	227.2	25.0	18.4	17.0	327.3	330.1	0.8	65.5		32.
27.7	72.2	6336.0	350.0	-30.6	-35.2	228.7	25.2	18.9	16.6	327.4	329.3	0.5	63.7		3 3.
29.3	76 • 2	8859•5	325.0	-35.7	-40.5	231.1	23.2	18.1	14.6	327•4	328 • 6	0.3	61.2		35.
30.9	80.3	9409.0	300.0	-40.7	99.9	234.1	19-1	15.5	11.2	328.0	999.9	99.9	999•9		35.
32.1	84.5	9994.9	275.0	-46.3	99.9	237•B	21.5	18.2	11.4	328.2	999.9	99.9	999•9		37.
33.7	88.8	10621.9	250.0	-51.1	<b>99.9</b>	236.8	22.1	18.5	12.1	330.2	999.9	99.9	999•9		38.
37.5	93.8	11298•1	225.0	-56.6	99.9	232.4	23.2	18.4	14-1	331.7	999 <b>. 9</b>	99.9	999.9		40.
44.9	99.0	12034.7	200.0	-62.7	99.9	210.6	17.7	. 9.0	15.3	333.4	999.9	99.9	999.9		39.
47.8	104.5	12845.7	175.0	-69-1	99.9	220.2	31.6	20.4	24.1	336.0	999.9	99.9	999.9		38.
51.9	110.8	13782.3	150.0	-60.5	99.9	254.5	35.7	34.4	9.5	365.9	999.9	99. 9	999.9		41.
60.5	118.0	14915.6	125.0	-58•6	99.9	260.3	30.5	30.1	5.1	386.9	999.9	99.9	999.9		49.
67.4	126.0	16312.1	100.0	-56.7	99.9	233.1	16.2	13.0	9.7	418.1	999.9	99.9	999.9		53.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 99	
99.9	99.9	99.9	50.0	99.9	99.9	59.9	99.9	99.9	.99. 9	99.9	999.9	99.9	999.9	999.9 99	
99.9	99. 9	99.9	25.0	99.9	99.9	99.9	99.9	99•9	99.9	99.9	999.9	99•9	999.9	999.9 99	170

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 486

#### 24 APRIL 1975 515 GMT

134

76. 0

PRES TEMP DIR SPEED V COMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT HEIGHT DEW PT U COMP MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 99.9 99.9 496.1 \*\*\*\*\* \*\*\*\* 93.0 999.9 995. 0.0 4.3 8.0 1018-0 93.0 91.1 999.9 99.9 1000.0 999.9 99.9 99.9 300.5 93.2 999. 9 999. 181.9 9.1 99.9 283.2 6.8 0.5 5.7 8.1 975.0 99.9 287.8 310.3 99.4 999.9 999. 7. 9 393.0 11.5 11.4 955.9 99.9 99.9 8.7 1.1 291.4 313.6 999. 9 999. 611.1 950.0 999.9 99.9 99.9 99.9 8.5 86.2 1.8 10.0 12.9 10.6 99.9 999.9 99.9 99.9 293.8 314.8 7.9 76.2 999.9 993. 12.1 836.1 925.0 13.2 9.1 2.5 999.9 99.9 99.9 294.7 314.5 7.4 75.9 999.9 999. 900.0 99.9 3.2 14.3 1066.4 11.9 7.8 77.8 999.9 994. 1302.1 875.0 999.9 99.9 99.9 99.9 295.7 315.0 7.2 4.0 16.5 10.6 6.9 1543.4 850.0 4.3 999.3 99.9 99.9 99.9 290.8 313.5 6.2 70.7 999.9 999. 4.8 18.9 9.4 99.9 297.3 312.9 71.6 999. 9 999. 5.7 20. 9 1790.5 825.0 7.5 2.7 999.9 99.9 99.9 5.7 6.5 23.4 204364 800.0 5.3 0.7 999.9 99.9 99.9 59.9 297.5 311.4 5.0 71.9 995.9 995. 7.4 25.7 2302.3 775.0 3.2 0.9 999.9 99.9 99.9 99.9 298.0 312.6 5.3 84.5 99949 9994 28.1 2567.4 750.0 1.2 0.5 999.9 99.9 99.9 59.9 298.5 313.2 5.3 95.2 999.9 999. 8. 2 2839.4 -3.2 999.9 99.9 99.9 299.0 310.7 4.2 83.9 999.9 999. 9.2 30.7 725.0 -0.9 99.9 10.1 33·3 3119.1 700.0 -2.6 -4.8 999.9 99.9 99.9 99.9 300.1 311.1 3.8 84.8 999.9 999. 80.4 11.1 35.8 3407.6 675.0 -3.4 -6.3 999.9 99.9 99.9 99.9 302.3 312.5 3.5 999.9 999. 99.9 99.9 303.0 3.2 81.5 999.9 999. 12.1 4 .8E 3705.2 650.0 -5.6 -8.3 999.9 99,9 312.2 13.1 40.9 4011.7 625.0 -7.8 -9.5 999.9 99.9 99.9 99.9 303.9 312.7 3.0 87.7 999,9 999, 995. 9 995. 14.1 43.7 4328.8 600.0 -9.3 -10.0 999.9 99.9 99.9 99.9 305.7 314.1 2.8 90.2 4657.0 575.0 -11.5 -12.9 999.9 99.9 99.9 99.9 306.8 314.3 2.5 89.2 999.9 999. 15.2 46.5 69, 2 999. 9 999. 308.4 16.3 45. 5 4996.9 550.0 -13.4 -14.8 999,9 99.9 99.9 99.9 315.1 2.2 88.6 999. 9 997. 17.4 52.3 5350.0 525.0 -15.4 -16.9 979.9 99.9 99.9 99.9 310.1 316.1 1.9 89.6 999.9 999. 18.5 55.3 5717.2 500.0 -17.6 -18.9 999.9 99.9 99.9 99.9 311.7 317.1 1.7 19.7 6099.5 475.0 -20.1 -21.5 999.9 99.9 99.9 99.9 313.3 317.8 1.4 ee. 1 999. 9 999. 58 . 4 87.4 999.9 999. 21.1 61.7 6498.5 450 . G -23.0 -24.4 999.9 99.9 99.9 99.9 314.5 318.3 1.2 999. 5 999. 6915.3 425.0 -25.8 -27.6 999.9 99.9 90.9 99.9 316.0 319.1 0.9 84.1 22.4 65.1 595. 3 95 .. 23.8 68.4 7352.7 400.0 -27.8 -29.8 999.9 99.9 99.9 99.9 318.9 321.6 0.8 82.6 0.6 77.7 999.9 999. 25.1 7814.7 375.0 -30.3 -32.9 999.9 99.9 99.9 59.9 321.5 323.6 71.8 0.4 73.2 995. 7 999. 26.6 75.6 8302.2 350.0 -34.1 -37.2 999.9 99.9 99.9 99.9 322.8 324.4 79.6 0.3 68.7 999. 9 999. 28, 2 8816.6 325.0 -38.4 -41.9 999.9 99.9 99.9 59.9 323.7 324.8 999.9 999.9 99.9 999.9 999. 30.0 83<sub>•</sub> 5 9361.1 300.0 -43.4 99.9 999.9 99.9 99.9 99.9 324,2 999.9 99.9 999.9 999.9 999. 31.6 87.5 9939.7 275.0 -48.8 99.9 999.9 49.9 99.9 99.9 324.6 999.9 999.9 949. 33.7 92.2 10557.7 250.0 -54.8 99.9 999.9 99.9 99.9 99.9 324.6 999.9 99.9 99.9 999.9 35.7 96. B 11222.0 225.0 -61.1 99.9 999.9 99.9 99.9 59.9 324.9 999.9 999.9 999. 999.9 999.9 99.9 99.9 99.9 329.1 999.9 99.9 999.9 944. 38.1 102.0 11943.0 200.0 -65.5 99.9 999.9 175.0 -59.8 999.9 99.9 99.9 351.3 999.9 99.9 999.9 999. 41.1 107.9 12761.3 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 150.0 -59.B 999.9 99.9 99.9 367.1 44.9 114.0 13719.0 99.9 389.9 999.9 99.9 999.9 999. 9 999. 14870.0 125.0 -58.1 999.9 99.9 90.9 99.9 49.4 120.8 99.9 999.9 999.9 999.9 99.9 99.9 99.9 412.5 99.9 999. 9 995. 16271.5 -59.6 99.9 55.2 128.7 100.0 99.0 99.9 999.9 99.9 999.9 999.9 999. 99.9 99. 9 99.9 75.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 50.0 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 999.9 999. 99.9 593.9 99.9 999.9 99.9 99.9 99.9 25.0 99.9 99.9 99.9 99.9 99.9 99.9

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 518 ALBANY, N Y

139 91. 1

24 APRIL 197 515 GMT

ANGLES ON THE	HALF MINUTE HAVE	REEN LINEARLY INTERPOLATED	FROM WHOLE MINUTE VALUES

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	. V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	EG K	DG K	GM/KG	PCT	KM	DG
0.0	5.2	86.0	1008.6	9.0	5.9	170.0	.7.2	-1.3	7. 1	262.2	297.1	5.8	81.0	0.0	
0.2	5.9	157.0	1000.0	9.2	99.9	2.8	6.5	-0.3	-6.5	282.4	999.9	99.9	999.9		34 7.
0 0 9	8.4	366.2	975.0	8.4	99.9	106.7	1.5	-1.4	.0 • 4	283.7	999.9	99.9	999.9	0.9	
1.7	10.8	580.0	950.0	7.0	99.9	170.4	17.5	-2.9	17.2	284.3	999.9	99.9	999.5	1 • 5	
2.6	13.2	799.0	925.0	6.7	5.6	177.5	23.2	-1.0	23.2	287.0	303.2	6.2	93.0	2.6	
3.5	15.6	1025.4	900.0	7.07	4.9	194.7	15.8	4.0	15.2	290.2	306 • 4	6.1	82.9	3. 7	-
4.6	18.1	1258e1	875.0	0.9	5.1	210.5	16.5	8.4	14.2	293.0	309.9	6e 3.	81.5	4.5	36 0
5.7	20.6	1497.0	850.0	5.9	4.2	215.4	17.1	9.9	14.0	293.2	309.6	6.1	86.7	5.4	
6.7	23.2	1741.0	825.0	4.1	3.1	215.3	17.9	10,3	14.6	293.7	309.4	5.8	92.5	6.4	11.
7.9	25.8	1991.0	800.0	2.4	1.8	213.9	18.6	10.0	15.5	294.5	309.3	5 • 5	95.4	7. 5	15
9.1	28.4	2247.3	775.0	0.8	0.2	213.1	20.3	11.1	17.0	295.3	309.1	5.0	95.4	e• 9	18
10.6	31.2	2510.9	750.0	0.0	-0.6	215.2	21.7	. 12.5	17.7	297.2	310.7	4.9	95.3	10.8	20,
12.4	34.1	2782.2	725.0	-1.2	-1.9	217.6	23.9	14.6	18.9	295.7	311.7	4 • 6	95.5	13.0	23,
13.8	36.8	3061.9	700.0	-2.4	-3.0	221.9	25.2	16.8	18.7	300.4	312.8	4.4	95.3	15.2	26
15.0	39.7	3350.1	675.0	-4.1	-4.7	226.4	23.3	16.9	16.1	301.6	313.0	4.0	95.1	16.8	27
16.3	42.5	3647.4	650.0	-5.7	-6.5	235.2	24.0	19.7	13.7	302.9	313.4	3 • 6	94.6	16.4	29
17.4	<b>£5.5</b>	3954.2	625+0	-7.7	-8.3	245.0	24.0	21.7	10.1	304.1	313.6	3.3	95.7	20.0	32
19.2	48.7	4270.6	600.0	-10.4	-11.4	244.6	26.8	24.2	11.5	304.4	312.2	2.7	92.3	22.1	36
20.9	51.5	4597.2	575.0	-13.6	-14.7	247.7	27.9*	25.8	10.6	304.3	310.7	2 • 1	91.1	24.7	39
22.5	54.9	4932.3	550.0	-17.1	-18.4	251.5	29.0*	27.5	9. 2	304.0	309.0	1.6	89•5	27.1	42
24.2	58.0	5282.0	525.0	-17-0	-18.3	256.9	23.4*	22.8	5.3	308.1	313.4	1.7	89.4	29. 3	45
25. 9	61.4	5647.2	500.0	-18.7	-20.3	254.9	27.7*	26.7	7.2	310.3	315.1	1.5	87.0	31.4	47
27.6	65.0	6327.8	475.0	-21.4	-23.2	256.1	20.9*	20.3	5.0	311.6	315.6	1.2	84.8	34.0	44
29.6	68.4	6426.2	450.0	-22.2	-24.3	263.1	19.5+	19.3	2.3	315.5	319.3	1.2	82.8	· 35• 9	51
31.3	71.9	6845.0	425.0	-24.5	-26.7	266.1	19.4*	19.3	1.3	317.6	320.9	1.0	81.8	37. 9	5 3
33 - 3	75.7	7284.0	400.0	-27.8	-30.2	273.3	17.9*	17.9	-1.0	318.9	361.5	0.8	79.4	39.2	55
35.1	79.7	7744.7	375.0	-31.2	-34.0	267.7	20.7	20.7	0.8	320.3	322.3	0.6	75.7	41.3	56
37-1	63.7	8230.4	350.0	-34.7	-38.0	258.0	26.7	26.2	5, 5	321.9	323.4	0.4	71.3	43.6	5.8
39.2	87.7	8744.2	325,0	-38.7	-42.4	261.7	28.0	27.7	4.0	323.3	324.3	0 • 3	67.5	8 .34	60
11.4	92.2	9288.2	300.0	-43.8	99.9	256.6	28.7	27.9	6.7	323.6	999.9	99.9	999.9	50.2	61
13.7	96.8	9866.3	275.0	-49.0	99.9	263.7	26.3*	26.1	2.9	324.3	999.9	99.9	999.9	53, 5	62
16.2	101.6	10483.7	250.0	-54.9	9909	261.7	34.8*	34.4	5.0	324.5	999.9	59.9	999.9	56 1	64
8.8	107.0	11147.2	225.0	-61.1	99.9	264.1	34.5*	34.4	3.6 ⋅	324.9	999.9	99.9	999.9	62.8	65
51.4	112-2	11870.5	200.0	-65.3	99.9	270.3	41.2*	41.2	-0.2	329.3	999.9	99.9	999.9	69 <b>.</b> i	67
54.9	118.0	12691.2	175.0	-61.1	99.9	278.4	40.1*	39.7	-5.9	349.2	999.9	99.9	999.9	75.6	70
8.9	125.0	13562.4	150.0	-55-1	99.9	277.7	44.64	44.2	-5.9	375.2	999.9	99.9	999.9	82.9	74
63.6	132.0	14816.2	125.0	-56.9	99.9	310.9	20.9*	15.9	-13.7	392.0	999.9	99.9	999.9	89. 2	76
70.4	140.0	16224.3	100.0	-58.3	99.9	289.3	21.9*	20.6	-7.2	415.2	999.9	99.9	999.9	97.0	79
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9	959
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999• 9	999. 9	999
		1171	05.0	00.0	00.0	00.0	00.0	00.0		00.0	000.0	00.0	000-0	000.0	020

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 520 PITTSBURG. PA

149

43.

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GFM MB DG C DG C DG H/SEC M/SEC M/SE C DG K DG K GM/KG PCT KM DG 359.0 971.3 13.6 9.6 210.0 6.2 3.1 5.4 290e2 310.5 7.8 77.0 0.0 0. 0.0 6.9 1000.0 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 59.9 59.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 313.9 0.4 41. e. 4 546.2 950.0 12.9 10.8 226.5 16.8 12.2 11.6 291.4 8.6 87. L 0.5 0.9 10.5 770.3 925.0 11.5 10.6 230.5 18.0 13.9 11.4 292.2 315.0 8.7 94.3 45. 1.1 8.7 1.8 49. 1.9 12.5 999.3 900.0 10.2 10.2 242.4 22.5 19.9 10.4 293.2 316.1 99.6 57. 2.5 14.7 1234.4 875.0 10.1 10.1 258.1 25.5 25.0 5.3 295.5 319.2 8.9 100.3 2.8 3.3 16.7 1475.6 850.0 8.8 8.3 268.3 25.4 25.4 0.8 296.5 318.3 8.1 96.5 3.9 65. 4.9 4.1 18.9 1722.8 825.0 7.8 6.9 270.7 21.8 21.8 -0.3 297.9 318.4 7.6 93.9 71. 21.0 1976.3 800.0 264.0 19.5 19.4 2.0 299.4 317.8 6.7 85.9 5. 9 74. 4.9 6.9 4.7 2237.6 775.0 269.5 17.6 17.6 301.3 317.2 5.7 74.3 6.8 75% 23.4 2.0 0.2 5.7 6.2 316.2 5.0 70.4 7.5 77. 25.7 2505.9 750.0 -0.4 279.7 15.8 15.6 -2.7 302.1 6.6 4.5 80. 2781.4 725.0 -2.3 281.3 16.0 15.7 -3.1 303.0 315.8 4.5 69.6 8e 3 28: 1 2.7 7.4 -4.4 9.1 30.7 700.0 281.0 15.7 -3.1 303.8 315.1 3.9 68.2 82. 306447 0.7 16.0 8.4 -0.4 10.0 94. 33.2 3356.2 675.0 -10.4 281.7 15.9 15.6 -3.2 305.5 313.1 2.6 46.6 9.3 2.0 40.0 10.8 65. 3657.1 650.0 -2.5 -14.2 285.7 15.2 14.6 -4.1 306.4 312.4 10.2 35.6 -4.8 11.5 97. 34.2 3967.0 625.0 -17.4 292.8 16.7 15.4 -6.5 307.1 312.0 1.6 36.8 11.1 -5.6 12.4 89. 295.0 20.7 18.7 -8.7 309.7 312.6 0.9 21.3 12.0 40.5 4287.8 600.0 -24.3 13.5 91. 12.9 43.6 4620.5 575.0 -7.4 -23.2 295.5 20 . B 18.8 -8.9 311.5 314 · B 1.0 26.8 14.0 46.6 4965.7 550.0 -9.1 -29.1 289.6 19.8 18.7 -6.7 313.3 315.4 0.5 17.9 14.7 93. 525.0 -11.7 -33.6 280.7 19-1 18.8 -3.5 314.4 315.8 0.4 14.1 15.8 94. 15.0 49.6 5323.9 17.5 -3.0 315.3 316.4 0.3 13.3 17.1 94. 52.4 5695.7 500.0 -14.6 -36.6 279.8 17.8 16.1 19.3 475.0 280.5 17.9 17.6 -3.3 315.0 316.2 0.3 18.4 95. 6081.4 -18.5 -36.7 17.2 55.6 315.2 317.1 0.6 40.4 19.5 95. 6481.6 450.0 -22.3 -32.1 282.1 20.1 19.6 -4.2 18.4 58. 9 -4.4 21.3 96. 425.0 21.5 21.1 315.9 317.2 0.4 36.6 62.3 6898.8 -25.8 -36.3 281.9 19.8 -5.3 319.2 318.9 0.2 21.1 23.0 36. 7335.7 400.0 -28.3 -43.7 283.4 23.1 22.4 21.1 65. B 375.0 -47.1 -7.0 320.5 321.0 0.1 18.7 24.9 97. 22:4 69.3 7796.1 -31.0 285.8 25.9 24.9 322.3 0.1 22.8 27.2 98. 23.9 73.2 8281.8 350.0 -34.8 -48.6 289.6 23.9 22.5 -8.0 321.8 325.0 -38.9 -47.3 290.4 24.9 23.3 -8.7 323.0 323.6 0.2 40.3 29.5 39. 25 • 5 77.2 8754.7 -42.4 287.9 31.9 30.3 -9.8 325.7 999.9 99.9 999.9 32.2 100. 27.1 61.3 9339.7 300.0 59.9 999.9 99.9 999.9 35.4 100. 275.0 -47.6 280.9 28.9 -5.6 326. J 28.9 25.7 9921-1 99.9 29.4 999.9 38.6 100. 274.8 -2e3 328.4 999.9 99.9 30.8 90.6 10543.0 250.0 -52.2 99.9 26.9 26.8 999.9 -3.2 332.0 99.9 999.9 42.0 100. 277.2 25.3 25.1 32.9 95.9 11218.2 225.0 -56.5 99.9 999.9 99. 9 999.9 44.5 10C. +5.7 340.4 34.7 101.2 11960.6 200.0 -58.4 99.9 288.2 18.2 17.3 47.4 101. 29.3 24.6 -15.9 344.5 999.9 99.9 999.9 175.0 302.8 37.0 107.5 12790.2 -63.9 99.9

-61.2

-57.0

-60.9

-62.5

-59.8

99.9

150.0

125.0

100.0

75.0

50.0

25.0

39.4

43.0

46.9

51.9

59.8

99.9

114.9

122.0

120.7

140.0

151.0

99.9

13737.5

14884.9

16288.4

19050.8

20584.3

99.9

12

24.2

32.0

26.9

15.2

10.5

99.9

24.0

31.0

26.2

14.2

10.3

99.9

277.0

284.5

282.5

290.5

281.3

99.9

99.9

99.9

99.9

99.9

99.9

99.9

364.7

391.8

410-1

441.9

502.7

99.9

-2.9

-8.0

-5.8

-5.3

-2.1

99.9

999.9

999.9

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999.9

999.9

51.5 102.

56.7 101.

63.5 101.

69.7 102.

73.7 103.

999.9 999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

\* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 528 BUFFALO. N Y

24 APRIL 1975

515 G	MI						33 340	U	
SPEED	U COMP	V CC4P	POT T	E POT T	MX RTO	RH	RANGE	AZ	

TIME	CNTCT	<b>HEIGHT</b>	PRES	TEMP	SEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GPM	MB	DG C	ae c	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5. 9	218-0	983.4	21.7	80.6	200.0	7.7	2.6	7.2	287.3	308 • 4	8.2	93.0	0.0	<b>9.</b>	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	999. 9	999.	
0.2	6.4	290-4	975.0	` 13.1	9.8	212.5	13.3	7.1	11.2	289.4	309 • 7	7.8	80.3	0.4		
0.9	e• 5	508.3	950.0	11.0	9.7	214.3	15.0	8.5	12.4	289.4	310.1	8.0	91.5	0.7	31.	
1.6	10.5	730•8	925.0	9.7	8.8	221.3	19.6	12.9	14.7	290.2	310.4	7.7	93.9	1.4	34.	
2.3	12.4	958.4	900.0	e. 7	7.9	234.1	23.9	19.3	34 <b>0</b>	291.5	311.1	7.5	94.5	2.4	39.	
3.0	14.5	1191.8	875.0	8.1	7.3	243.9	26.3	83.6	11.5	293.1	312.7	7.4	94.9	3. 4	45.	
3.6	16.5	1431.5	850.0	7.7	7.1	253.1	25.0	24.0	7 <b>.</b> 3	295.2	315.2	7.5	. 95.6	4.3	50.	
4.4	18.7	1677.8	825.0	6-9	6,3	262.4	23.5	23.3	3. l	296.9	316.6	7 <b>.</b> 3	95.8	5.3		
5.2	20.8	1930.9	800.0	5.8	5.1	266.7	22•7	22.6	1.3	298•2	317.1	6.9	95.7	6.3		
5.9	23.0	2190.5	775.0	4.4	3.7	263.8	19.9,	19.8	2.1	299•4	317.2	6.5	95.4	7.1	64.	
6.9	25.3	2457.3	750.0	2.4	1.7	266.4	19.5		1.2	300.0	316.0	. 5•8	95.1	8.2		
7+8	27.5	2730,7	725.0	-0.0	-0.9	270.1	. 21.5	21.5	-0.0	300.1	314.0	5.0	93.6	9. 2		
8+7	30.0	3011.4	700.0	-0.5	-5.7	274.9	23.5	23.4	-2.0	302.3	312.6	3.6	67.8	10.4	7.2	
9.6	32.6	3303.2	675.0	0.0	-19.3	280.4	25.5		-4.6	305.8	309.6	1.2	21.7	11.6		
10.6	35•1	3604.5	650.0	-1.9	-22.6	275.1	26.0	25.9	-2. 8	307.0	310.0	1.0	18.7	13. 1	74.	
11.6	37.6	3915.2	625.0	-4.2	-25 • 4	276.7	23.7	23.6	-2.8	307•8	310.2	0.8	17.2	14.4	79.	
12.5	40.2	4235.4	600.0	-6.5	-27.8	277.4	20.9	20.7	-2.7	308.6	310.7	0.6	16.5	15.6	81.	
13.5	42.8	4566.5	575.0	-8.8	-30.2	275.3	20.4	20.3	-1.9	309.7	311.5	0.5	15.7	16.8	82•	
14.5	45.6	4908.9	550 • C	-11.9	-30.4	275.1	20.9	20.8	-1.9	309.9	311.8	0•5	19.5	18.1	B 3.	
15.8	48.6	5263.3	525.0	-14.2	-36.3	275.1	23.3	23.2	-2.1	311.3	312.5	€.0	13.5	19.6		
17.0	51.4	5632.0	500.0	-16.0	-40.0	271.6	27.1	27.1	-0.B	313.5	314.3	0.2	10.5	21 • 4	85.	
19.4	54.6	6016.3	475.0	-18.7	-42.3	271.3	28.1	28.1	-0.6	314• E	315.5	0 e 2	10.4	23.7	85.	
19.7	57 <b>. 5</b>	6417.2	450.0	-21.8	-46.3	271.8	29.3	29.2	-0.9	315.8	316.3	0.1	8.7	26.1	86.	
21 - 1	60.9	6834.7	425.0	-25.6	99.9	277.5	21.3	21.1	-2.8	316.2	999.9	99.9	999.9	28 <b>.</b> I	97.	
22.6	64.4	7271.0	400.0	-29.5	99•9	274.4	22.1	22.1	-1.7	316.6	999•9	99.9	999.9	30.0	87.	
24.2	€7.8	7728.1	375.0	-33.1	99.9	272.7	24.6	24.6	-1.1	317.8	999.9	99•9	999•9	32. 3		
25.8	71.3	8238.8	350.0	-36.8	99.9	285+2	28.5	27.5	-7.5	319.1	999•9	99.9	999.9	34.6	88.	
27.4	75.3	8720.9	325.0	-38.8	99.9	300.6	33.0	28.4	-16.8	323.2	999.9	99.9	999•9	37.2		
28.9	79.4	9264.8	300.0	-43.6	99.9	301.2	39.3	33.6	-20.4	324.0	999.9	99.9	999.9	40.2	93.	
30.6	83.6	9843.5	275.0	-48.6	99.9	296.1	45.8	41.2	-20.1	324.8	999.9	99.9	999.9	44.0		
33.0	88.2	10465.0	250.0	-51.8	99.9	292.0	60.5	56.1	-22.6	329.0	999.9	99. 9	999.9	51.6	98.	
34.7	93.3	11144.5	225.0	-55.5	99.9	297.8	47.8	42.3	-22.2	333.5	999.9	99.9	999.9		100.	
36.7	98.5	11884.9	200.0	-61.2	99.9	289.0	35.0	33-1	-11.4	335.9	<del>9</del> 99•9	99•9	999.9	61.5	101.	
39.8	104.3	12720.6	175.0	-58.3	99•9	275.0	39.1 *	38.9	-3.4	353.8	999.9	99.9	999.9		100.	
43.3	110.8	13696.8	150.0	-58.8	99.9	282.2	26.7*	26+1	-5.6	368.8	999.9	99.9	999•9	74.5	16 3.	
47.5	118.3	14842.0	125.0	-55.3	99.9	275.4	30.0∗	29.9	-2.8	394.8	999.9	99.9	999•9		100.	
52.5	127.0	16263.3	100.0	-55.5	99.9	281.7	27.0*	26.3	-5.5	420.5	999•9	99.9	999.9		100.	
58.0	137.0	18070.2	75 <b>•</b> 0	-60.4	99.9	280.6	14.5	14.2	-2.7	446.2	999.9	99.9	999.9		100.	
66.5	148.3	20628.2	50.0	- 55.4	99.9	280.3	3.4	3.4	-0.6	512.9	999.9	99.9	999.9		101.	
99.9	99.9	. 99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999, 9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532 PEORIA. ILL

						24	APRIL	1975								
			_				515 G	MT					. 1	47 53.	0	
TIME	CNTCT	<b>HE I GHT</b>	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KĄ	DG	
0.0	6 <b>•</b> 0	200.0	982.9	14.4	13.8	240.0	. 1.6	1.4	0.8	290.3	316.4	10 • 1	96.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	ċ9• 3	99.9	939.9	99.9	999.9	999.9	999.	
0.02	6.7	268.7	975.0	` 15.1	14.8	237.9	3.6	3.1	1.9	291.8	320.2	11.0	98.3	0.1	33.	
0.9	8.8	. 489.4	950.0	15.2	13+3	237.5	5 • 1	4.3	2.7	293,9	320.7	10.2	88.9	0.2	54.	
1.6	10.9	716.1	925.0	16.0	8.8	256.5	6.3	6.1	1.5	296.7	317.4	7.7	62.4	C. 5	59.	
. 2.4	13.0	949.5	900.0	16.9	3.4	281• ₹	7•6	7.4	-1.5	299.6	314.8	5.4	40.5	0.3	71.	
3.1	15.2	1189-1	875.0	15.4	1.6	289.7	7.4	7.0	-2.5	300.5	314.2	4.9	39.1	1.0.	82.	
3.8	17.4	1434.0	850.0	13.6	0.7	281.2	6.4	6.2	-1.2.	301.1	314.4	467	41.2	1 3	87.	
4.6	19.5	1694.8	825.0	11.9	-0.2	290.1	5.3	5.0	-1.8	301.8	314.8	4.6	43.2	. 1.6	90.	
5.4	55.0	1941.6	800.0	10.2	-0.8	305.2	4.2	3.4	-2.4	302.7	315.6	4.5	46.3	1.8	93.	
6.2	24.5	2205.0	775.0	8 • 2	<b>-0.</b> 8	312.8	4.5	3.3	-3.1	303.2	316.5	4.7	53.4	2.0	37.	
7.1	26.7	2474.9	750.0	5.9	0.7	319.5	5.7	. 3.7	-4.4	303.7	318.9	5•4	69.2	2• 2		
8.1	29.3	2752.1	725.0	4.7	-7.0	318.6	7•2	4.8	-E. 4	305.0	314.1	3,1	42.4	2 • 5		
9• i	32.0	30 3 7 . 1	700.0	2.9	-17.1	315.9	10.1	7.1	-7.3	305.8	310.2	1.4	21.2	2. 9		
10.1	34.7	3331.0	675.0	1.5	-18.4	315.2	13.7	9.7	-9.7	307.5	311.7	1.3	21.0	3 <b>.</b> 6		
11-2	37.2	3633.3	650.0	-1.3	-18.6	313.5	16.0	11.6	-11.0	307.6	311.9	1.4	25.5	4.5		
12.2	4C-1	3944.0	625.0	-4.1	-18.8	308.6	19.6	15.3	-12.2	307.9	312.2	1.4	30.7	5. 6		
13.4	42.9	4264.7	600.0	-6.3	-21 • 1	301.4	22.5	19.2	-1107	308.9	312.7	1.2	29.7	7.1		
14.5	45.9	4596.1	575.0	-8.1	-41,3	296.6	21.2	18.9	-9.5	310.4	311.1	0.2	5.2	8.6		
15.7	49.0	494C.1	550.0	-10.1	-56.3	266.3	23.9	23.0	-6.7	312.1	312.2	0.0	1.0	10.1		
16.5	52.0	5296.6	525.0	-12.8	-58.0	280.7	25.1	24.7	-4.7	313.0	313.1	0.0	1.0	\$1.7		
18.0	55.3	5666.8	500.0	-15.5	-59.7	277.8	25.3	25.1	-3.4	314.2	314.2	0.0	1.0	13.5		
19.3	58.6	6051.8	475.0	-17-8	-61.2	275.6	27.5	27.4	-2.7	315.9	316.0	0.0	1.0	15.4		
20.6	62.1	6454.4	450.0	-19.8	-61.8	272.9	28.0	27.9	-1.4	318.3	318.4	0.0	1.1	17.4		
22.0	65. 9	6876.6	425.0	-22.7	+33.3	276.5	29.6	29.4	-3.3	319.9	321 •8	0.5	37.5	19.7		
23.2	69.5	7318•3	400+7	-26.0	-26.4	267.2	30.9	30.9	1.5	321.2	324.3	0.9	80.3	22.1		
24.8	73.3	7782.2	375.0	-29.8	-31.6	257.0	32.1	31.3	7.2	322.2	324.7	9.7	83.7	24.7		
26.5	77.7	8270.6	350.0	-33.4	-36.0	248.2	32.0	29.7	11.9	323.7	325.4	0.5	77.5	27•3		
28.0	81.9	8787.0	325.0	-37.2	-41.2	244.3	32.3	29.1	14.0	325.3	326.5	0.3	65.7	29.9	97.	
29.8	86 <b>.</b> 4	9334.3	300.0	-42.2	99.9	243.1	31.1	27.7	14.1	325.9	999.9	99. 9	999.9	32.6	94.	
31.7	91.4	991.6.3	275.0	-47.1	59.9	243.1	33.1	29.5	14.9	327.0	999.9	99.9	999.9	35.9	91.	
33.5	96.5	10539.9	250.0	-52-3	99.9	242.7	31.8	28.3	14.6	328.3	999.9	99.9	999.9	38. 9	89.	
35.4	102-0	11212.8	225.0	-57.7	99.9	245.3	32.1	29.1	13.4	330.0	999.9	99•9	999.9	42.3 46.3	67.	
37.5	108.2	11943.6	200.0	-64.8	99.9	249.1	36.8	34.4	13.1	330.2	999•9	99.9	999.9		85. 83.	
39.9	114-5	12751.3	175.0	-67.3	99.9	252.8	29.7	28.4	8.8	338.9	999•9 999•9	99.9	999.9	51 • 3 56 • 4	83.	
42.4	121.5	13689.3	150.0	-62.6	99.9	270-5	39.3	39•3	-0.3	362.3		99.9				
46.2	129.0	14825.7	125.0.	-57.4	99.9	276.0	34.2	34.0	-3,6	391.1	999•9 999•9	99•9 99•9	999•9 999•9	65.0 70.4	85. 85.	
50.5	137.0	16245.3	100.0	-58-1	99.9	240-2	17.6	15.2	8.7	415.5 433.9	999•9	99.9	999.9	73.5		
56.4	144.7	18031-2	75.0	-66.3	99.9	318.5	2.8	1.9	-2-1	99.9	999•9	99.9	999.9	999.9		
99.9	95.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	99969	99.9	99969	999.9	_	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP HEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553 OMAHA, NEB

24 APRIL 1975 600 GMT

						6.4	M-UIL	4973								
							600 G	MT					1	55 25	0	
TIME	CNTCT	+£1G+T	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GPM	MB	DG C	DG C	ÐG	M/SEC '	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	7.7	400.0	961.6	12.7	10.6	70.0	2.6	-2.4	-0.9	290.2	312.0	8.4	87.0	0.0	9.	
99.9	95.9	9Ç. 9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	,
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999• 9	994.	,
0.3	8.7	502.4	950.0	13.0	11.3	999.9	99.9	99.9	99.9	291.5	314.7	8.9	89.2	999.9	999.	,
. 1 - 1	10.7	726.4	925.0	11.2	10.0	999.9	99.9	99.9	59.9	291.9	313.9	8.4	92.4	999. 9	99 j.	٠
1.8	12.9	955.0	900.0	9.6	8.6	57.2	9.0	-7.6	-4.9	292.4	313.1	7.8	93.8	1.0	240.	
2.7	15.1	1188.8	875.C	8.8	7.9	25.1	5.4	-2.3	-4.9	293.9	314.4	7.7	94.2	1.3	238.	
3.5	17.2	1425.6	850.0	9.5	-8.7	330.2	5.2	2.6	-4.5	296.4	303.2	2.4	26.8	1.5	229.	
4.4	19.5	1679-1	825.0	11.8	-6.7	340.3	3.4	1.1	-3. Z	301.4	309.6	2.8	26.7	1.5	220.	
5.4	21.7	1935.5	800.0	0.02	<b>~5.3</b>	356.0	3.8	0.3	-3.8	302.2	311.6	3.2	33.6		216.	
6.4	24.1	2198.6	775.0	8.9	-12.7	347.5	5.7	1.2	<b>~5.6</b>	303.6	309.2	1.8	20.1	1.9	20 %	
7.4	26.3	2469.0	750.0	7.1	-14.8	346.1	7.3	1.7	-7.1	304.5	309.5	1.6	19.2		202.	
8.5	28. 9	2746.3	725.0	4.8	-16.2	338.4	7.4	2.7	-6.9	304.9	309.5	1.5	20.0		194.	
9.5	31.4	3031.2	700.0	2.7	-14.5	321.3	5.5	3.4	-4.3	305.7	311.1	1.8	26.9		189.	
10.7	34.1	3324.2	675.0	0.5	-13.8	279.1	5.7	5.6	-0.9	306.5	312.4	1.9	33.1	3. 1	183.	,
11.9	36.6	3626.0	650.0	-1.7	-14.4	270.4	7.4	7.4	-0.1	307.3	313.2	1.9	37.1		175.	
12.9	39.3	3936.5	625.0	-4.8	-14.1	268+4	8.0	8.0	0.2	307.2	313.5	2.0	47.7		166.	
14.0	42.0	4250.1	600.0	-7.7	-15.1	252.1	8.7	8.2	2.7	307.4	313.4	2.0	55.1		156.	
15.1	44.9	4586.0	575.0	-10.2	-15.8	251.2	10.3	9.8	3. 3	308.3	314.2	1.9	63.3		145.	
16.2	47.9	4926.9	550.0	-13.0	-15.6	254.6	11.3	10.9	3.0	308.9	315.2	2.1	81.1		134.	
17.5	50.8	5279.9	525.0	-15.8	-17.7	255•2	11.2	10.8	2.9	309.6	315.1	1.8	85.3		124.	
18.8	53.9	5645.8	<b>500</b> •0	-18.6	-34.3	248.3	14.0	13.0	5.2	310.4	312.0	0.5	27.5		116.	
20.3	57.0	6029.9	475.0	-17.2	-29.9	240.0	16.9	14.6	8.5	316.8	319.0	0.7	31.8		104.	
21.7	60.4	6433.9	450.0	-19.8	-33.4	254.0	18.3	17.6	5.0	318.3	320.0	0.5	28.5	7.0	96.	
23.1	63.9	6854.9	425.0	-23.6	-32.8	252.5	18.5	17.6	5.5	318.7	320 • 7	0.6	42.3	8.4	93.	
24.4	67.3	7294e7	400.0	-27.6	-33.7	248.8	18.7	17.4	6.8	319.2	321.0	0.5	55.3	9.8	89.	
25.9	70.9	7756.3	375.0	-31.0	-40.8	249.3	19.8	18.5	7.0	320.5	321.6	0.3	37.1	11.5	86.	
27.5	74.8	8241.5	350.0	-35.0	-43.3	252.1	20.8	19.8	6.4	321,4	322.3	0.2	42.4	13.3	84.	
29.1	79-0	8753 <b>.</b> 8	325.0	-39.1	99,9	238.7	22.9	19.6	11.9	322.8	999.9	99.9	999.9	15.2	95.	
30. B	83, 2	9297.7	300.0	-43a.4	99.9	229.5	26.1	19.9	17.0	324.2	999.9	99•9	999. 9	17.5	7.8	
32.• 5	87.6	9878.5	275.0	-47.2	99.9	218.1	35.3	21.8	27.8	326.8	999.9	99.9	999.9	20.3	73.	
34.6	92.6	10501.3	250.0	-52.9	99•9	213.0	44.0	24.0	36.9	327.4	999.9	99.9	999.9	24.2	65.	
37.0	97+6	11172.4	225.0	-58.8	99.9	208.5	48.7	23.2	42.8	328.5	999.9	99.9	999.9	30.2	5 8 •.	
39.0	103.0	11903.7	200.0	<b>-62</b> •5	99.9	227•6	45.6	33.7	30.8	333.8	999.9	99.9	999•9	35.5		
41.8	109.3	12727.2	175.0	-63.1	99.9	249.0	43.3	40.4	15.5	345. 8	999.9	99.9	999.9	42.7	56.	
45.6	115.8	13690.1	150.0	<b>-58•3</b>	99.9	261.8	36.7	36•4	5.3	369.7	999.9	99.9	999.9	52.0	59.	
49.8	123.5	1483444	125.0	-57.6	99.9	255.0	36.4	35.1	9.4	390.7	999.9	99.9	999.9	60.1	£ 2.	
55.8	132. 3	16254.0	100.0	-53.6	99.9	242.2	24.7	21.9	11.5	424.2	999,9	99.9	999.9	70.B	63.	
62.0	141.3	18985.3	75.0	-59.9	99.9	150.6	13.4	-6.6	11.7	447.4	999.9	99.9	999•9	75.6		
70.8	151.5	20607.2	50 <u>.</u> 0	-57.9	99.9	243.5	2.4	2•2	1.1	507.2	999•9	99.9	999.9	75.8	61.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

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<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. NORTH PLATTE. NEB

141

39. 0 DEW PT POT T MX RTO TIME CNTCT HE I GHT PRES TEPP DIR SPEED U COMP V CCMP E POT T RH RANGE AZ M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN GFM MB DG C DG C DG M/SEC 291.7 310.4 7.1 83.0 0.0 0.0 14.3 847.0 910.9 10.0 7.3 110.0 4.1 -3.9 1.4 · 0 • 999.9 99.9 999.9 999.9 977. 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 99909 9990 99.9 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 948.4 900.0 7.2 120.6 -7.2 4.3 294.5 313.6 7.1 74.3 0.2 330. 0.3 15.2 11.7 8.4 1184.8 875.0 ~9<sub>0</sub>5 299.0 316.6 6.4 56.6 0.7 303. 1.0 17.5 13.8 5.3 127.3 11.9 7.2 20.0 1429.0 360.7 318.8 6.5 58.6 1.3 307. 850.0 136.6 11.6 -8.0 8.5 1.5 13.1 5 • 2 825.0 301.4 318.7 61.0 1.7 310. 22.2 1679.5 11.3 4-1 143.0 9.0 -5.4 7. 2 6.2 2.5 1936.1 800.0 143.8 5.3 -3.1 4.2 302.2 317.2 5.3 56<sub>0</sub> 7 2.0 313. 24.9 1.5 3.4 9.7 775.0 0.2 134.7 303.1 317.3 57.6 2.2 314. 4.2 27.2 2199.3 8.0 2.1 -1.5 1.5 5.0 5.1 29.9 2469.2 750.0 -1.5 44.1 2.7 -1.9 -1.9 303.8 316.9 4.6 58.0 2. 2 312. 6.1 2746.2 -4.3 304.5 315.6 3.9 54.4 2.2 30.7. 5.9 32.6 725.0 5.9 4.1 -0.4 -4.1 4.1 3030.6 700.0 -6.5 335.7 -5.1 304.9 314.7 3.4 54.1 2.1 303. 6.7 35.3 1.8 5.6 2.3 37.8 305.9 314.6 2.9 52.4 1.7 298. 7.6 3322.9 675.0 -0-1 -8.7 310.9 8.5 6.4 -5.5 1.1 296. 8.6 40.5 3624.0 650.0 -2.6 -10.0 293.7 10.7 9.8 -4.3 306.3 314.5 2.7 56.7 9.6 43.3 3933.8 625.0 -5.3 -10.0 278.2 11.8 11.7 -1.7 306.7 315.2 2.9 69.4 0.4 310. -13.1 282.7 -3.6 307.0 314.0 2.3 67.2 0.6 54. 10.6 46.2 4252.8 600.0 -8.1 16.3 15.9 307.7 313.0 58.0 1.6 94. 49.3 4582.1 575.0 -10.6 -17.2 283.6 17.1 16.6 -4.0 1.7 11.7 55.3 2. 7 37. -3.3 308.8 313.2 1.4 12.7 **52.1** 4922.8 550.0 -13.0 -20.1 281.1 17.0 16.7 309.6 313.0 1.1 49.9 3.7 98. 13.8 5275.6 525.0 -15.7 -23.8 276.3 15.8 15.7 -1.7 55.2 314.6 30.4 4.7 96. -30.1 13.9 13.6 2.6 312.6 0.6 14.9 58. 4 5643.0 500.0 -16.8 259.4 314.4 41.3 5.5 35. 6026.7 475.0 -19.1 -28.9 241.8 14.4 12.7 6.8 316.8 0.7 16.0 61.6 47.6 -30.3 11.9 10.4 315.3 317.6 0.7 86. 17.2 65.2 6427.0 450.0 -22.3 228.9 15.8 6.4 318.5 25.1 7.4 80. 18.4 68.4 6845.3 425.0 -24.6 -38.8 222.9 16.4 11.2 12.0 317.5 0.3 0.2 27.9 8.5 74. 19.8 72.0 7282.8 400.0 -28.8 -41.5 224.8 17.0 12.3 12.4 317.5 318.4 7741.2 375.0 -32.6 -54.9 230.8 15.4 11.9 9.7 318.3 318.5 0.1 9.1 9.8 71. 21.1 75.9 15.4 12.0 9.6 319.4 319.6 0. 1 11.0 11.0 68. 22.7 79.7 8223.3 350.0 -36.5 -56.1 231.3 325.0 99.9 17.2 14.8 319.4 999.9 99.9 999.9 12.5 67. 8731.4 -41.6 239.2 8.8 24.2 83.7 999.9 99.9 999.9 14.4 14.7 9.0 320.0 66. 26.0 87.8 9268.9 300.0 -46.3 99.9 238.5 17.3 320.6 999.9 99.9 999.9 16.5 65. 275.0 -51.5 99.9 238.1 18.5 15.7 9.8 28.0 92.3 9840-5 324.9 999.9 99.9 999.9 18.8 65. 15.2 4.4 30.2 97.0 10455.1 250.0 -54.6 99.9 253.8 15.8 225.0 99.9 246-6 13.7 12.5 5.4 326.7 999.9 99.9 999.9 20.5 66. 101.8 11121.6 -59.9 32.3 19.5 11.4 339.2 999.9 99.9 99909 23.1 65. 34.8 107.3 11657.6 200.0 -59.1 99.9 234.2 15.8 999.9 99.9 999.9 27.4 37.9 175.0 -59.6 99.9 246.7 24.8 22.8 9.8 351.7 . 63. 113.0 12690.1 999.9 999.9 33.1 99.9 24.0 8.9 370.5 99.9 64. 41.7 119.3 13657.7 150.0 -57.8 249.6 25.6 19.2 395.4 999.9 99.9 999.9 38.9 65. 46.1 126.3 14812.9 125.0 -55.0 99.3 245.1 17.4 8.1 124.3 999.9 99.9 999.9 45.1 64. 51.3 16232.3 100.0 -56.8 99.9 232.4 16.6 13.2 10.1 418.1 57.9 141.8 18043.9 75.0 -60.7 99.9 240.4 16.6 14.4 8.2 445.6 999.9 99.9 999.9 52.0 64. 150-0 20599.7 50.0 -56.4 99.9 176.4 5.8 -0.4 5.8 510.6 999.9 99.9 999.9 56.4 63. 67.1 999.9 999.9 999.

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 606 PORTLAND. ME

24 APRIL 1975

515 GMT 155 43 o TIME CNTCT HE I GHY PRES TEMP CEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE ΑZ MIN GFM M8 DG C DG C DG M/SEC M/SEC M/SE C DG K DG K GM/KG PCT KM DG 278.2 290.5 0.0 4.6 20.0 1020.7 . 6.1 180.0 5.7 5.7 83.0 0.0 0. 3.4 0.0 4.8 0.6 6.3 189.1 1000.0 -2.6 210.5 11.1 9.6 283.1 291.6 3.2 0.3 9.6 5.6 42.4 15. 399.6 975.0 208.4 1.3 €.6 10.7 -10.6 12.9 11.3 286.2 291.1 1.8 21.2 0.8 25. 6.1 2.0 10.8 615.8 950.0 -10.1 196.1 13.8 13.3 287.5 292.7 9.9 3.8 1.9 23.3 1 . 4 24. 2.7 836.4 925.0 21. 13.2 8.1 -10.2 191.3 14.2 2.8 13.9 287.8 293.2 1.9 26.1 2.0 -9.9 3.5 15.5 1061.8 900 = 0 6.5 190.0 13.6 2.4 13.4 288.5 294.1 2.0 29.7 2.7 1 4-4.4 17.9 1291.9 875.0 4.6 -11.3 185.6 11.8 1.2 11.8 288.8 294.0 1.8 30.4 3.3 16. 5.1 20.3 1527.3 850.0 2.7 -9.2 177.9 9.9 -0.4 9.9 289.3 295.6 2.2 41.0 3.8 14. 5.8 22.8 1768.0 825.0 0.7 +9.3 180.4 8.7 9.1 8.7 269.6 296.1 2.3 46.8 402 13. 25.3 2014.3 800.0 187.5 290.1 294.5 6.7 -1.2 -14.9 8.8 1.2 e. 8 1.5 34.5 4.6 12. 775.0 192.3 290.8 7.6 27.9 2266.5 -2.9 -24.7 10.5 2.2 10.3 292.8 0.7 16.6 5. 1 12. 8.5 30.6 2526.0 750.0 -3.5 208.4 10.2 292.9 294.7 ~26.3 11.6 5.5 0.6 15.0 5.7 12. 9.4 33.2 2793.4 725.0 -4.4 -27.5 225.2 294.7 296.4 14.5 12.3 8.7 8. 7 0.5 6e 4 15. 10.4 35.9 3069.0 700.0 -5.8 -28.5 235.5 10.2 . 7.0 296.1 297.8 0.5 14.5 18. 12.4 6. 9 11.3 38.8 3353.2 675.0 -7.5 -21.2 239.4 11.6 10.0 5.9 297.4 300.6 1.0 32.3 7.5 22. 12.3 41.4 3645.8 650.0 -9.8 -23.0 239.0 9.4 298.0 300.9 0.9 33.0 8.0 25. 8.1 4.9 13. 3 44.5 3946.9 625.0 -12.7 -19.3 246.5 8.4 7.7 3.4 298.1 302.1 1.3 58.0 8.5 27. 14.4 47.5 4259.0 600.0 -11.5 -11.8 273.3 11.5 11.5 -0.7 303.1 310.7 2.6 97.8 8.8 30. 15.4 50.5 4584.5 575.0 -13.5 -13.B 274.9 13.6 13.5 -1.2 304.4 311.3 2.3 97+6 9.1 34. 16.5 53,6 4921.4 550.0 -15.8 -16.2 276.2 14.5 14.4 -1.6 305.3 311.4 2.0 97.2 9.6 39. 17.5 56.7 5270.8 525.0 -18-1 -18-5 275.8 17.3 17.2 -1.7 306.8 312.0 1.7 96.9 10.1 44. 18.6 €0.0 5633.6 500.0 -20.8 -21.4 275.2 20.2 20.1 -1.8 307.9 312.1 1.4 94.2 10.9 49. 19.9 63.4 6011.1 475.0 -23.6 272.8 21.9 21.9 -1.1 308.9 312.4 1.1 92.5 12.2 54. -24.4 21.2 66.7 6404.3 450.0 -26.3 -27.5 270.8 22.3 22.3 -0.3 310.2 313.1 0.9 89.7 13.6 57. 22.5 70.3 6815.5 425.0 -29.0 -30.5 269.5 23.6 0.2 311.9 314.2 0.7 15.1 23.6 86.2 62. 23.9 74.3 7246.1 400.0 -32.3 -34.0 276.9 27.3 27.1 -3.3 313.0 314.8 0.5 84.2 17.0 66. 25.4 78.0 7699.7 375.0 -34.3 294.3 -35.8 26.5 24.1 -10.9 316.2 317.9 0.5 85.6 19.0 70. 26.8 81.8 8179.3 350.0 -37.8 -39.7 303.1 24.7 20.7 -13.5 317.7 318.9 0.3 82.3 20.5 75. 28.6 86.0 8685.5 325.0 -41.8 99.9 294.3 27.5 25.1 -11.3 319.1 599.9 99.9 999.9 22.4 80. 30.6 90.5 9224.0 300.0 -45.9 97.9 285.8 30.7 29.6 -8.4 320.7 999.9 99.9 999.9 25.5 94. 9797.0 999.9 32. B 95.3 275.0 -50.9 99.9 278.7 34.5 34.1 -5.2 321.5 999.9 99.9 29.5 80. 34.5 100.0 10411.5 250.0 -55 · 1 99.9 284.2 39.0 37.8 -9.6 324.2 999.9 99.9 999.9 33.4 88. 370.1 11075.0 225.0 99.9 285.7 999.9 99.9 999.9 39.7 91. 105.2 -61.3 44.0 42.4 -11.9 324.6 39.5 11C.8 11797.4 200.0 -65.0 99.9 287.0 53.8 51.5 -15.7 329.9 999.9 99.9 999.9 46,4 93. 42.0 116.8 12625.5 175.0 -60.9 99.9 302.9 21.9 18.4 -11.9 349.5 99909 99.9 999.9 51.2 95. 45.4 123.9 13592.5 150.0 -57.9 99.9 299.0 24.1 21.1 -11.7 370.4 999.9 99.9 999.9 56.7 97. 999.9 296.2 392.9 999.9 61.8 99. 49.5 131.0 14746.2 125.0 -56.4 99.3 26.0 23.3 -11.5 99.9 55.3 138.8 16165.0 100.0 -56.9 99.9 307.9 18.2 14.3 -11.2 417.9 999.9 99.9 999.9 69. 2 102. 292.5 999.9 99.9 999.9 76.2 103. 63.1 146.7 17983.8 75.0 -57.6 99.9 16.9 15.7 -6.5 452.1 999.9 73.8 155.3 20565.8 50.0 -56.0 99.9 97.5 2.8 -2.8 044 511.6 999.9 99.9 81.4 195.

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<sup>\*</sup> FY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637 FLINT, MICH

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TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.3	236.0	979.2	14.2	12.2	290.0	. 3.1	2.9	-1.1	290.3	314.1	9.2	88.0	0.0	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999. 9	
0.1	6.6	272.3	975.0	13.3	11.6	293.4	6.0	5 • <b>5</b>	-2.4	289.7	312.7	8.9	89.1	0. 1	
0.9	8.7	490.6	950.0	11.3	9.8	293.9	8•5	7.8	-3.4	289.7	310.7	8.1	90.4		111.
1.7	10.6	713.3	925.0	10.1	8.7	273.8	7.2	7.1	-0.5	290.6	310.8	7.7	91.4		110.
2.6	12.7	941.6	900.0	10.1	8.8	<b>245</b> •5	9.4	8.5	3.9	292.9	314.0	8.0	92.0	1+ i	
3.4	14.8	1176-4	875.0	10.1	8 • 8	246.8	13.0	11.9	5.1	295.4	317.2	8.2	91.7	1.6	
4.4	16.9	1418.1	850.0	9.4	8 • 1	254.0	15.6	15.0	4.3	297.1	319.7	8.0	91.5	2.4	
5.2	19.1	1665.5	825.0	7.9	6.3	256.1	17.1	16.6	4.1	297.9	317.7	7.3	89.9	3. 2	
6.0	21.0	1919.3	800.0	7.0	5.5	258.1	1.7-1	16.7	3.5	299.6	319.1	7.1	90.2	4 • 1	79.
6.9	23.3	2180.2	775.0	5.3	3.9	262.5	14.8	14.7	1.9	300.3	318.4	6.6	90.9	4.9	
7.8	25 <b>. 5</b>	2447.8	750.0	3.4	2.1	263.9	17.5	17.4	1.9	301.0	317-6	6.0	91.0	5. 8	
8.7	27.9	2722.4	725.0	1.8	0.05	263.7	17.0	16.9	1.9	302.2	317.6	5.5	90.9	6.8	
9.5	30.3	3005.0	700.0	-0.3	-1.5	265.9	17.3	17.3	1.2	302.8	316.7	4.9	91.0	7.9	
- 11-0	32.8	3295.6	675.0	-1.7	-2.9	272.2	16.9	16.9	-0.6	304.3	317.4	4 • 6	91.4	9.1	82.
12.2	35.3	3594.5	650.0	-4.9	-6.8	273.8	16.8	16.8	1.1	303.9	314.1	3.5	86.5	10.2	
13.4	37.8	3902.1	625.0	-6.9	-10.7	278.7	16.9	16.7	-2.5	304.9	312.9	2.7	74.7	11.5	
1406	40.3	4220.6	600.0	-7.5	-18.1	277.9	16.2	16.0	-2.2	307.6	312.4	1.5	42.2	12.6	
16.0	43.0	4550.9	575.0	-9.3	-18.3	271.4	12.8	12.8	-0•3	309.3	314.2	1 <sub>6</sub> 5 1.6	47•7 56•2	13.9 14.9	
17.4	45.9	4893.0	550.0	-12.0	-18.9	276.0	13.2	13.1	-1.4	310.0	314.8			15.8	
18-5	48.9	5246.9	525.0	-15.3	-21.0	277.6	14.4	14.3	-1.9	310.1	314.4	1.4	61.8	16.9	
19.6	51.6	5614.7	500.0	-17.2	-22.0	281.4	13.9	13.6	-2.8	312.2	316.3	1.3	65.8	17.8	
20.9	54.6	5997.1	475.0	-20.2	-25.1	287.9	15.8	15.0	-4.9	313.0	316.4	1.0	64.9		
22.2	57+7	6395.7	450.0	-22.6	-27.5	273.9	19.1	19.1	-1.3	314.9	317.8	0.9	64.2	19. 1 20. 8	
23.6	61.0	6812.7	425.0	-25.7	-29.8	255.6	21.6	20.9	5. 4	316.1	318.6	0.7	68.1		
25.0	64.4	7250.5	400.0	-28.4	-32.9	256+1	26.9	26.1	6.5	318.1	320.2	0.6	54.8 61.4	22.7 25.0	
26.4	67•8	7709.7	375.0	-31.8	-36.7	245.8	27.1	24.7	11.5	319.4	320.9	0.4		27.5	
28.0	71.3	8193.0	350.0	-35.8	-40.5	241.4	29.2	25.6	14.0	320.5	321.6	0.3	61.6 999.9	30.9	
29.9	75.4	8703.4	325.0	-40.5	99.9	24745	35.5	32.8	13.6	320.8 321.8	999 <b>•9</b> 999 <b>•9</b>	99•9 99•9	999.9	34.9	
31.6	75.5	9243.5	300.0	-45.1	99.9	255.8	41.0	39.8	10.0	323.6	959.9	99.9	999.9	40.0	
33.6	83.7	9818.7	275.0	-49.5	99.9	255.8	47.6	46.2	11.6	324.2	999 <b>.9</b>	99.9	999.9	47.0	
35.9	88.2	10435.6	250.0	-55.1	99.9	252.6 259.8	54.4 63.2	51•9 62•2	16•3 11•2	327.3	999.9	99.9.	999.9	55.0	
38.3	93,2	11101.2	225.0	-59.5	99.9	267.1	69.7*	68.6	3.5	331.4	999•9	99.9	999.9	62.8	
40.4	98.5 104.3	11831.3 12647.6	200.0 175.0	-64.0 -59.7	99.9 99.9	201.2	50.5*	49.5	-9.8	351.4	999.9	99.9	999.9	72.0	
42.8 46.1		13620.1	150.0	-56.7	99.9	279.6	28.1*	27.7	-4.7	372.4	999• <b>9</b> .	99.9	. 999.9	78.4	
50.6	110.8 118.3	14777.8	125.0	-54.9	99.9	267.8	35.3*	35.3	1.3	395.7	999.9	99.9	999.9	86.0	
56-1	127.0	16198.4	100.0	-58.6	99.9	271.1	24.1*	24.1	-0.5	414.5	999.9	99.9	999.9	95.0	
63.5	137.3	17989.6	75.0	-63·1	99.9	284.9	14.3*	13.8	-3.7	440.6	999.9	99.9	999.9	101.0	
72.9	147.5	20518.3	50.0	-58.5	99.9	999.9	99.9	99.9	99.9	505.6	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	99909	999.9	
7787	7797	ファラブ	200	7787	7777	7777	7787	7707							

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645 GREEN BAY. WIS

							24	515 G	1975 M#						50 22	. 0	
								515 6						• `		, ,	
	TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCAP	POT T	E POT T	MX RTO	RH	RANGE	ΔZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	δG	
	0.0	8.2	210.0	982.4	10.0	6.0	340.0	4.1	1.4	-3.9	285.4	300.9	6.0	76.0	0.0	e.	
	99, 9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 7	99.9	999.9	99.9	999.9	999.9	999.	
	0.3	8.9	272.9	975.0	9.6	5.9	4.8	8.8	-0.7	-8•8	285.6	301.2	6 • 0	77.6		150.	
	1.1	11-2	488.1	950.0	7•7	. 4.7	3.2	10.1	-0.6	-10.1	285.7	300.5	5.6	81.3		131.	
	2.1	13.9	707.6	925.0	6.1	4.8	342.1	7.6	2.3	<b>-7.</b> 3	286.3	301.5	5.8	91.1		179.	
•	2.9	16.3	932.4	<b>900-0</b> .	5.7	5.1	310.8	5.3	4.0	-3.5	288• 2	304.3	6 <sub>0</sub> 1,	95.6		171.	
	3.9	19.0	1163.0	875.0	4.5	3.9	299.2	6.5	5.6	-3.2	289•2	304.6	5.8	95.4		162.	
	4.9	21.6	1399.4	85°4°	4.2	2.9	320.9	6.3	4.0	-4.9	291.2	306.2	5.6	91.8	. 1.9		
	5.8	24.2	1643.2	825. C	6.3	-0.3	284.8	5.3	5.1	-1.3	295•8	308 • 4	4.5	62.6		152.	
	6.7	26.9	1895.4	800.0	4.9	0 • 1	270.5	7.9	7.9	-0.1	297.0	310.3	4 • B	70.7		144.	
	7.7	29.6	2154.3	775.0	4.3	0.0	287.4	11.1	. 10.6	-3.3	299.0	312.9	5 <b>•</b> 0	73.9		137.	
	8.7	32.4	2421.1	750.0	3.7	-1.0 • 0	276.2	12.6	12.6	-1.4	300.9	308.1	2.4	3€.9		129.	
	9.7	35∙3	2695+6	725.0	2.3	-15.0	275.7	12.4	12.4	-1.2	302.2	307.1	1.6	26.4		123.	
-	10.9	36.1	2977.8	700.0	0.0	-13.4	279.4	13.4	13.3	-2.2	302.7	308.5	1.9	35.6		119.	
	11.9	41.3	3267.6	675.0	-2.7	-13.5	276.2	13.6	13.6	-1.5	302.9	308.8	2.0	42.9		116.	
	13.1	44.1	3565.8	650.0	-4.6	-19.6	275.4	14+2	14.1	-1.3	303.9	307.7	1.2	29.7		113.	
	14.3	47.3	3873.4	625.0	-6+9	-23.3	276.3	16.0	15.9	-1.7	304.7	307.7	0.9	25.8		110.	
	15.4	50.4	4190.8	600.0	-9.0	-32.5	275.7	15.9	15.8	-1.6	305•7	307.1	0.4	13.3		109.	
	16.7	53.6	4519.2	575.0	-10.6	-56.5	280.7	17.0	16.7	- 3, 2	307.6	307.7	0.0	1.0		177.	
	18.0	56.7	4859.7	550. O	-12.8	-54.4	287.6	18.0	17.1	~5•4	308.8	309.0	C • O	1.6	11.3		
	19.3	6C.3	5212.2	525.0	-16-1	-43.8	288.3	18.3	17.4	-5.7	309.0	309.5	0.1	7. 1	12.5		
	29.6	63.9	5577.4	500.0	-19.3	-44.9	287.1	18.2	17.4	~5·4	309.5	310.0	0.1	8. 2	14.2	197.	
	22.0	67.3	5956.2	475.0	-22.8	-41.7	283.3	17.4	17.0	-4.0	309.7	310.4	0.2	15.9	15. 7		
	23.5	70.9	6349.8	450.0	-26.2	-46.1	277.4	19.8	19.7	-2.5	310.3	310.8	0.1	13.2	17.4		
	25.0	74.7	6760.4	425.0	-29,9	-46.9	274.2	21.3	21.2	-1.6	310.7	311.2	0.1	17.1	19.1		
	26.5	78.8	7189.7	400.0	~32 <b>.</b> 8	-51.4	276.7	24.9	24.8	~2.9	312.2	312.5	0.1	13.6	21.1		
	28,2	22. 7	764C.8	375.0	-36.3	-54.5	274.0	26.1	26.0	~1.8	313.5	313.7	0.1	13.2	23.8	173.	
	30.1	e7.0	8115.9	350.0	-39-5	99.9	275.6	28.3	28.1	-2.7	315.5	999.9	99.9	990.9	26. ó	102.	
	32.2	91.6	8619.9	325.0	-42.6	99.9	273.5	28.5	28.5	-1.7	317.9	999•9	99.9	999.9	30.3	102.	
	34.2	96.2	9156.8	300.0	-45.7	99•9	270.9	31.2	31.1	-0.5	321.0	999.9	99.9	999.9	33.9	101.	
	36.4	101.0	9732.5	275.0	-49.1	99.9	269.1	33.7	33.7	0.6	324.1	999.9	99.9	999.9	37. 9	99.	
•	38.6	106.3	10351.5	250.0	-54-1	99.9	260.5	32.2	31.7	5. 3	325.7	999.9	<b>99•9</b> .	999.9	42.5	au*	
	41-1	111.9	11020.2	225.0	-59.0	99.9	254.4	35.6	34.3	9. 5	328.1	999.9	99•9	999• 9	47.2	95.	
	44.0	117.8	11757.3	200.0	-59.2	99.9	257.2	41.4	40.3	9.2	339.1	999•9	99.9	999.9	<b>53.</b> 5	93.	
	47.1	124.3	12595.3	175.0	-59.7	99.9	264.8	41.4	41.2	3. 8	351.4	999.9	99.9	999•9	61.1	91.	
	50.6	130.8	13561.8	150.0	-58.5	99.9	270.9	37.4	37.4	-0.6	369.4	999•9	99.9	999•9	69. 1	91.	
	54.8	137.8	14725.8	125.0	-53.9	99.9	267.9	25.5	25.4	1.0	397.4	999.9	99.9	999.9	76.4	92.	
	59.9	144.5	16159.3	100.0	-54.6	99.9	263.6	18.2	18.1	2.0	422.3	999.9	99•9	999.9	84.1	92.	
	66,3	151.7	17978.7	75.0	-59.8	99.9	253.9	13.8	13.2	<b>3.</b> 6	447.6	999.9	9349	999.9	92.6	91.	
	75.0	159.0	20534.9	50.0	-57.0	99.9	237-1	5.0	4.2	2.7	509.1	999.9	99.9	999.9	96. G	91.	
	88.9	166.3	24974.0	25.0	-52.6	99.9	999.9	99.9	99.9	99. 9	634.2	999.9	99.9	999.9	9 <b>99.</b> 9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654 HURON. S D

							313 6						•		
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GP <b>M</b>	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	9.2	392.0	964.4	8.9	5.8	60.0	4 • 1	<b>-3</b> ∙6	-2.0	285.8	301.4	6.0	81.0	0.0	0.
99.9	59.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99. 9	99.9	975.0	99. 9	99.9	99.9	99.9	99.9	99.9	99.9	599.9	99.9	999,9	999.9	
0.5	10.5	516.8	950.0	8.2	6.9	66.0	7.2	-6.6	-2.9	286.4	303.5	6.6	91.5		252.
1.4	12.9	736.6	925.0	6.4	6.0	68.2	6.7	-6.3	-2.5	266.6	303.1	6.4	97.3		250.
2.2	15.3	962.2	900.0	6• 7	5.9	101.2	1.5	-1.5	0.3	289.3	306.3	6.5	94.3		250.
3.0	17.7	1193.1	875.0	4.7	4.4	156.9	1.4	-0.6	1.3	289•4	305•3	6.0	97.8		
3.9	20.3	1430.3	850.0	9.7	-30.4	201.2	3.4	1.2	3. 2	296.3	297.6	0.4	4.4		263.
4.7	22.7	1677.5	825.0	8.7	-10.9	232.0	4.1	3.2	2.5	298.1	304.0	2.0	23.8		276.
5.6	25.3	1931.4	800.0	7.4	-6.2	241.7	4.9	4.3	2.3	299•4	308.0	3.0	37.5		
6.5	27.8	2191.8	775.0	5.3	-5.4	254.8	3.9	3.8	1.0	299.9	309.4	3.3	45.8		
7.4	30.6	2458.8	750.0	3.5	-11.8	277.3	4.8	4.7	-0.6	300.7	306.8	2.1	31.5	0.3	5.
8.4	33.3	2732.9	725.0	1.8	-16.6	284.6	7.8	7.6	-2.0	301.6	306.0	1.4	24.1	0.4	60.
9.4	35.9	3014.7	700.0	-0.4	-16.4	284.0	9.5	9•2	-2.3	302.2	306.9	t.5	28.6	0.9	85.
10.3	38.8	3304.2	675.0	-2.8	-17.7	278.6	9.9	9+8	-1.5	302.7	307.1	1.4	30.7	1 • 5	92.
11.4	41.5	3602.2	650.0	~4.8	-22.1	272.2	10.8	10.8	-0.4	303.6	306.8	1.0	24.6	2.1	93.
12.5	44.4	3909.3	625.0	-7.4	-18.9	268.8	10.9	10.9	0.2	304.1	308.4	1.4	39 <b>•</b> 0	2• 8	92.
13.5	47.6	4225.9	600.0	-9.4	-40.5	267.7	11.3	11.3	0.5	305.2	305.9	0.2	6+5	3∙ 5	91.
14.7	50.6	4553.5	575.0	-11.5	-38.4	270.4	13.2	13.2	-0.1	306.5	307.3	0.2	8•8	404	91.
15.8	53.5	4892.2	550.0	-14.2	-38.0	271.8	14.8	14.8	-0.5	307.2	308.1	0.3	11.2	5, 3	91.
16.9	56.6	5243.4	525.0	-16.8	-41.0	270-9	15.4	15.4	-0.2	308.2	308.8	0.2	10.2	6.3	91.
18.3	60.0	5607.1	500.0	-20.2	-39.0	269.6	16.0	16.0	0.1	306.3	309.2	0.3	16.8	7.6	91.
19.6	6.3.4	5985.3	475.0	-22.6	-32.4	262.7	19.9	19.7	2.5	310.0	311.7	0.5	4 G • 1	9. 0	90.
21.0	€6+8	0.0859	450.0	-25.4	-34.7	261.8	20.9	20.7	3.0	311.3	312.8	0.4	41.7	10.7	39.
22.6	70.3	6791.9	425.0	-28.9	-38.4	266.8	19.4	19.3	1.1	311.9	313.0	0.3	39,2	12.6	88.
24.0	73.9	7222.7	400.0	-31.9	-40.3	267.6	18.9	18.9	0.8	313.6	314.5	0.3	42.4	14.3	88.
25.7	77.7	7675.6	375.0	-35.4	-45.B	259∙3	19.6	19.3	3.6	314.6	315.2	0.2	33.3	16.1	88.
27.4	81.5	8152.3	350.0	-39.0	99.9	247.6	23.0	21.3	8.8	316.1	999.9	99.9	999•9	18.3	86.
29.3	e5.6	8655.6	325.0	-42.9	99.9	241.5	2403	21.4	11.6	317.6	999.9	99.9	999.9	20.8	83.
31.5	90.0	9191.2	300.0	-47.2	99+9	245.9	24.2	22.1	9. 9	318.9	999.9	99.9	999.9	23. 9	80.
33.8	946.7	9761.2	275.0	-51.8	99.9	243.4	26.9	24.1	12.1	320.2	999.9	99.9	999.9	27.4	78.
36.2	9944	10372.4	250.0	-56.7	99.9	247.3	26.5	24.4	10.2	321.8	999.9	99.9	999.9	30.9	77.
38.5	104.3	11034.5	225.0	-60.0	<b>99.9</b>	252.8	26.2	25.0	7• 7	326.6	999.9	99.9	999.9	35. 1	76.
41.6	110.0	11773.6	200.0	-59•2	99.9	252.1	23.8°	22.7	7 0 3	339.1	999.9	99.9	999• 9	39• 5	76.
44.8	115.6	12619.2	175.0	-55.6	99.9	253.1	24.7	23.7	7.2	358•2	999•9	99.9	999.9	44.1	75.
48.8	122.0	13601.7	150.0	-55.9	99.9	250.5	22.5	21.2	7.5	373.8	999.9	99.9	999.9	49.4	75.
53.3	129.3	14761.5	125.0	-55.6	<b>99.9</b>	. 244.5	22.4	20.3	9.7	394.4	999.9	99.9	999.9	55. 4	74.
58.6	136.8	16185.6	100.0	-55.8	99.9	245.2	23.9	21.7	10.0	420.0	599.9	99.9	999.9	62. 3	7 3e
65-9	144.7	18031.9	75.0	-55.7	99.9	248.2	27.2	25.3	10.1	456-1	999.9	99.9	999.9	72. 7	73.
75.2	154.0	20616.1	50.0	-54.4	99•9	123.3	3.2	-2.7	1.8	51502	969.9	99.9	999.9	79. 3	73.
91.4	163.5	25093-2	25.0	-52-1	99.9	107.9	7.5	-7.1	2.3	635.1	999.9	99.9	999.9	80.2	71.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETREEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>4.</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655 ST CLOUD: MINN

50 489. 0

E POT T MX RTO TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T RH RANGE AZ M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG GPM MB DG C DG C DG MIN 283.9 974.9 -2.0 -2.4 300.0 6.3 91.0 0.0 0. 0.0 6.5 316.0 7.9 6.5 40.0 3.1 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 999.9 999. 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 99.9 528.8 950.0 5. J 5.1 31.0 6.8 -3.5 -5.9 283.3 298.2 5.8 98.7 0.3 219. 0.8 8.6 925.0 34.8 -2-5 -3.6 284.7 299.2 5.6 97.9 0.5 213. 10.6 746.7 4.2 1.6 4.5 4.4 55.0 -3.1 285.5 299.1 5.2 97.5 0.8 217. 969.7 900.0 3.2 2.8 5.4 -4.4 2.5 12.7 1.0 223. 1197.7 875.0 3-0 2.5 61.7 5.9 -5.2 -2.8 287.6 301.4 5.3 .96.6 3.3 14.9 17.0 1432.7 850.0 1.6 42.0 5.9 -3.9 -4.4 289.0 302.5 5.1 96.4 1.4 226. 4.2 2.1 19.3 290.9 8.0CE 68.9 1.6 222. 5.0 1673.9 825.0 1.7 -3.4 334.6 4.1 1.8 -3e7 3.6 21.5 1921.8 800.0 0.4 -14.6 315.6 5.6 3.9 -4.0 291.9 298.0 2. 2 42.1 1.6 211. 6.0 1.7 202. 23.8 -4.0 294.8 295.8 0.3 6.1 2175.8 775.0 0.9 -32.5 316.9 5.5 3.7 6.8 1.9 192. 7.8 2440.0 750.0 2.5. -32.1 307.2 5.9 4.7 -3.6 299.3 300.5 0.3 5.6 26.1 2713.0 725.0 -33.1 300.9 5.5 -3.3 300.2 301.2 0.3 5.8 2.0 183. 8.9 2806 0.6 6.4 2.2 173. 9.9 31.2 2993.3 700.0 -1.7 -24.1 293.3 7.7 7.0 -3.0 300.7 303.1 0.8 16.0 2.5 163. 10.9 33.7 3281.7 675.0 -3.0 -29.8 291.1 9.2 8.5 -3.3 302.3 303.8 0.5 10.5 3.0 152. 12.0 36.3 3579.5 650.0 -5.0 -22.7 288.3 10.6 10.0 -3.3 303.4 306.4 0.9 23.4 3.5 145. 625.0 -7.6 -22.4 282.3 10.6 10.4 -2.3 303.8 307.0 1.0 29.2 13.0 39.0 3836.2 -1.8 305.3 307.5 0.7 22.7 4.0 137. 14.1 41.6 4203.0 600.0 -9.4 -26.8 278.8 11.6 11.5 306.0 307.4 0 . 4 16.6 4.8 131. 44.5 4530 • 1 575 . 0 -12.0 -32.2 282.1 13.8 1305 -2.9 15.3 308.0 0.3 5.6 126. -1.6 307.0 13.4 16.4 47.5 4868.6 550.0 -14.4 -36.4 276.0 14.8 14.8 307.4 308.1 0.2 11.4 999.9 999. 99.9 99.9 99.9 17.6 5C.5 5219-2 525.0 -17.5 -46.4 999.9 308.7 0.1 9.1 999. 3 979. -44.8 999.9 99.9 99.9 99.9 308 • 2 18.9 53.6 5582.4 500.0 -20.4 999.9 99.9 999.9 999.9 979. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 475.0 99.9 99.9 999.9 999.9 999. 99.4 99.9 99.9 99.9 999.9 99.9 450.0 99.9 99.9 99.9 99.3 59.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 425+0 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.3 400.0 99.9 99.9 99.9 375.0 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 350.0 999.9 99.9 999.9 999.9 999. 99.9 99. 9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 55.5 99.9 325.0 99.9 99.9 99.3 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 300.0 99.9 99.9 95.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 275.0 99.9 99.9 99.9 99.9 9939 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 250.0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 99.9 99.9 99.9 99.9 99.9.9 99.9 999.9 99.9 99.9 99.9 225.0 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 200.0 99.9 99.9 999. 9 999. 999.9 999.9 99.9 175.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 99.9 999.9 999. 99.9 99.9 99.9 99.9 150.0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 125.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 100.0 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 75.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 90.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999.9 999. 99.9 99.9 99.9 50.0 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 25.0 99.9 99.9 99.9 99.9 99.9 9969 90.9 999.9 99.9

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 662 RAPID CITY. S D

#### APRIL 1975 515 GMT

150

15c 0 TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE ΑZ MIN GPM MB DG C DG C ÐG M/SEC M/SEC M/SE C DG K DG K GM/KG PCT KM DG 15.4 966.0 899.8 7.8 150.0 290.5 308.6 6.9 93.0 0.0 0.0 6.7 3.6 -1.8 3.1 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 997. 99.9 999.9 999. 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 950.0 99.9 999.9 99.9 999.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 99.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999.9 999. 99.9 99.9 99.9 900.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 291.6 875.0 309.5 0.2 331. 0.8 17.6 1196.8 6.6 6.1 152.5 5.1 -2.3 4.5 6.8 96.1 1434.8 293.0 310.6 96.8 0.6 339. 1.8 20.2 850.0 5.7 5.3 182.2 6.8 0.3 6.8 6.6 22.6 1679.7 825.0 216.1 9.4 5.6 7.6 295.2 311.7 89.0 0.9 357. 2.7 5.5 3.8 6.1 1931.0 800.0 2.7 235.1 7.2 5.0 296.0 312.0 5.8 92.2 1.2 12. 3.4 25.2 3.9 8.8 27.6 2188.9 775.0 252.5 12.0 11.5 3.6 296.8 311.8 95.1 1.7 30. 4.5 2.1 8 - 4 5.5 30.3 2453.7 750.0 -5.1 299.5 309.5 3.5 58.4 2. 4 44. 5.5 2.2 245.6 15.7 14.3 6.5 3.2 486 33.1 2727.1 725.0 1 . 1 -7.4 235.5 18.4 15.2 10.4 301.0 309.8 3.0 52.9 6.3 7.1 35.7 3008.5 700.0 -0.8 -8.9 233.9 20.1 16.2 11.8 301.9 310.1 2.8 54.3 4.1 49. 11.9 303.4 309.9 44.7 5. I 50. 7.9 38.4 3298.5 675.0 -2.2 -12.6 233.6 20.1 16.2 2.2 303.5 310.4 2.3 57.6 6.2 51. 8.9 41.2 3596.9 650.0 -5.1 -12.1 232.8 18.0 14.3 10.9 -7.7 10.1 304.0 312.2 80.9 7.3 51. 10.0 44.1 3903.8 625.0 -10-4 228.9 15.3 11.5 2.8 11.3 47.1 4220.3 600.0 -9.9 -14.9 226.8 15.2 11.1 10.4 304.9 311.0 2.0 66.9 8.4 5 C. 12.4 50.1 4547.7 575.0 -11.8 -16.6 220.7 14.0 9.1 10 6 306.4 311.9 1.8 67.3 9.5 50. 9.4 306.8 311.4 67.3 10.4 49. 13.6 53.1 4886.1 550.0 -1407 -19.4 218.2 12.0 7.4 1.5 14.7 56.1 5236.8 525.0 -17.3 -18.5 223.0 14.2 9.7 10.4 307.7 313.0 1.7 90.9 11.2 48. -22.0 11.7 12.1 308.4 312.5 1.3 85.7 12.5 48. 16.1 59.5 5600.6 500.0 -20.3 224.0 16.9 17.5 63.3 5978.4 475.0 -23.4 -25.6 227.6 19.4 14.3 13.1 309.1 312.2 1.0 82.3 13.9 47. -29.3 19.2 14.5 12.6 310.2 312.6 0.7 75.9 15.4 47. 18.6 66.2 6371.9 450.0 -26.3 229.1 19.9 69.9 6782.2 425.0 -29.9 -33.6 229.3 19.2 14.3 12.7 310.7 312.4 0.5 69.8 16.8 48. 21.0 12.9 311.3 312.5 0.4 67.2 18.5 48. 21.3 73. 4 7211.1 400.0 -33.6 -37.6 231.9 16.5 22.7 7704 7660-0 375.0 -37.8 -41.9 229.0 21.1 15.9 13.8 311.5 312.4 0.3 65.1 20.3 48. 24.4 81.3 8131.1 350-0 -42.0 99.9 233.0 19.3 15.4 11.6 312.0 999.9 99.9 999.9 22. 3 48. 26 - 1 **85.6** 9628.2 325.0 -46.4 99.9 236.4 18.3 15.3 10.1 312.8 999.9 99.9 999.9 24.1 49. 89.8 9155.9 300.0 -49.8 99.9 241.4 23.7 20.8 11.3 315.2 999.9 99.9 999.9 26.8 50. 28.2 30.3 94.8 9720-1 275.0 -54.0 99.9 242.8 28.2 25.1 12.9 317.1 999.9 99.9 999.7 30.0 51. 32.4 99.6 10330.4 250.0 -54.8 99.9 240.7 26.7 23.3 13.0 324.7 999.9 99.9 999.9 33. 5 524 53. 329.9 999.9 99.9 999.9 36.7 34. B 104.8 10999-1 225.0 -57.8 99.9 223.9 16.7 11.6 12.1 999.9 999.9 99.9 39.6 .51 37.4 110.4 11737-7 200.0 -61.0 99.9 229.2 23.8 18.0 15.5 336.2 999.9 999.9 116.5 12573.3 175.0 99.9 247.5 26.7 24.7 10.2 352.9 99.9 44.5 53. 40.5 -59.3 123.3 99.9 369.9 999.9 99.9 999.9 50.0 55. 44.2 13541.4 150.0 -58.1 256.3 23.4 22.7 5.5 999.9 99.9 999.9 130.5 14696.8 125.0 -55-2 99.9 253.7 15.6 15.0 4.4 395.1 55.7 57. 49.7 999.9 99.9 233.8 10.9 424.6 99.9 999.5 60.8 57. 53.8 138.0 16126.1 100.0 -53.4 18.4 14.9 99.9 9.6 13.0 455.0 999.9 99.9 999.9 66.7 57. 60.2 145.3 17968-1 75.0 -56.3 216.5 16.1 999.9 57. 69.1 153.3 20539.8 50.0 -55.7 99.9 199.9 4.9 1.7 4.6 512.3 999.9 99.9 72.2 161.0 24589.9 25.0 ~52.7 99.9 131.2 1.4 -1.0 0.9 633.0 999.9 99.9 999.9 73.5 57 83.7

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>#</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 11001 MARSHALL SPACE FLIGHT CENTER

24 APRIL 1975

526 GHT 164 17• 0

TIME	CNTCT	HE I GHT	PRES'	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	M9	DG C	DG C	DG	M/SEC	M/SEC	. M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.0	180.0	998.0	20.3	14.7	190.0	5.2	0.9	5 • 1	295.0	322.8	10.6	70.0.	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.0	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.6	8.0	391.1	975.0	18.8	13.8	204.7	17.9	7.5	16.3	295.5	322.5	19.3	72.7	0.4	18.
1.4	10.1	604.2	950.0	17.7	12.7	204.6	19.2	8.0	17.4	296.4	322.4	9•8	72.8	1.2	23.
2.3	12.2	832.2	925.0	16.5	8.8	204.3	21.8	9.0	19.9	297.2	318.1	7.7	60.5	2.3	23.
3.1	1.4.5	1065.0	900.0	14.2	12.7	209.2	19.6	9.6	17.1	297.6	325.1	10.4	90.7	3.4	24.
4.0	16.5	1303.0	875.0	12.8	12.5	219.6	18.4	11.7	14.2	298.5	326.4	10.5	96.0	4.3	27.
4.9	18.9	1546.5	850.0	11.3	11.2	222.2	20.7	13.9	15.3	299.3	325.9	9• ૧	99.7	5.4	29.
5.6	21.1	1796.3	825•0	1:0.9	10.1	222.3	15.5	10.4	11.5	301.3	327.2	9• 5	95•6	6.4	32.
6.9	23.5	2053.5	800.0	10.3	4.5	223.1	14.0	9•6	10.2	303.0	321.5	6.6	67.2	· 7• 3	33.
7.9	25.8	2317.2	775.0	8.3	5.3	227.0	14.6	10.7	10.0	303.7	323.8	7.2	81.5	8. 1	34.
8.9	28.2	2587.8	750.0	6.6	4 • 6	232.1	15.8	12.5	9.7	304.7	324.9	7.2	88.1	9.0	36.
9.9	30.8	2865.6	725.0	4.4	3.3	232.2	17.2	13.6	10.5	305.1	324.1	6.7	92.8	10.0	37.
10.9	33.4	3151.6	700.0	4.3	-10.8	240.4	16.9	14.7	8.3	307.5	314.8	2.4	32.4	10.9	39.
12.0	35.9	3447.0	675.0	3.6	-10.0	256.5	18.5	18.0	4.3	310.1	318.1	2.7	36.3	12.0	41.
13.1	38.7	3752.6	650+0	1.7	-3•8	269.1	19.1	19.1	0.3	311.5	324.6	4.4	56.5	13.0	46.
14.5	41.3	4067.9	625.0	-0.6	-5.6	271.7	17.9	17.9	-0.5	312.3	324.4	4 - 1	69.0	14.0	50.
15.8	44.2	4393.2	600.0	-2.9	-9.0	262.0	17.0	16.8	2.4	313.2	323.0	3• 2	62.6	15.2	53.
17.3	47-1	4729.2	575.0	-4.7	-19.2	266.7	16.1	16.1	0.9	314.6	319.3	1.5	31.2	16.4	56.
18.5	50.2	5077.1	550.0	~7.8	-20.7	275.0	19.2	19.1	-1.7	315.0	31963	1.3	34.3	17.5	58.
19.9	53.1	5436.8	525.0	-11.2	-20.7	284.2	18.4	17.8	-4.5	315.1	319.6	2 . 4.	45.0	19.8	61.
21.2	56.1	5808.8	500.0	-14.9	-21.5	281.6	19.3	16.9	-3.9	315.0	319.4	1.4	56.6	19.8	64.
22.5	59+6	6194.5	475.0	-17.6	-41.9	280.1	19.4	19.1	-3.4	316.2	316.9	0.2	9.8	21.1	67.
23.7	63.0	6597.5	450.0	-20.2	-43.7	281.3	17.8	17.5	-3.5	317.9	318.5	0.2	10.0	22, 2	69.
25+3	66.4	7018.6	425.0	-23.2	-45.9	279.7	20.4	20.1	-3.4	319.2	319.8	0.1	10.3	23.7	71.
27.0	70.1	7461.2	400.0	-24.9	-47.1	278.0	23.0	22.8	- 3. 2	322.6	323.1	0.1	10.5	25.9	73.
28.7	73.8	7927.8	375+0	-27.9	-49.3	275.5	22.3	22.2	-2.1	324.6	325.0	0.1	10.8	27.9	75.
30.6	78.0	8419.4	350.0	-31.7	-52.1	269.6	24.9	24.9	0.2	325.9	326.2	0.1	11.1	30.5	77.
32.3	82.0	8938.7	325.G	-36.0	-55.3	270.3	24.9	24.9	-0 <sub>0</sub> 1	326.9	327.2	0.1	11.5	32.9	78.
34.0	86.4	9488.5	300.0	-41.1	99.9	273.0	24.9	24.9	-1.3	327.5	999.9	99.9	999.9	35.3	79.
35.8	91.2	10074.0	275.0	-45.6	99.9	274.4	24.5	24.5	-1.9	329.2	999.9	99.9	999.9	37.9	80.
37.9	96.2	10702.0	250.0	-51.1	99.9	279.2	22.1	21.8	-3.6	330.2	999.9	99.9	999.9	40.6	81.
40.2	10i.4	11380.0	225.0	-55.9	99.9	292.7	37.1	36.2	-8.1	332.9	999.9	99.9	999.9	44.3	83.
42.6	107.5	12121.0	200.0	-60.9	99.9	280.2	43-4	42.8	-7.7	336.3	999.9	99.9	999.9	50.1	85.
45.5	113.7	12945.1	175.0	-61.3	99.9	280.0	37.5	37.0	-6.5	348+7	999.9	99.9	999.9	56. 9	87.
48.5	120.7	13909.9	150.0	-60.5	<b>99•</b> 9	271.3	31.0	31.0	-0.7	365.8	999.9	99.9	999.9	63.1	88.
52.1	128.7	15032.5	125.0	-64,5	99.9	278.0	30.8	30.5	-4c 3	378.2	999.9	99.9	999.9	70.2	89.
56.3	137.0	16385•3	100.0.	-67.1	99.9	264.3	22.1	22.0	2.2	398.1	999.9	99.9	999•9	76.6	89.
61.9	146.0	19110.5	75.0	-64.6	99.9	355.5	4.4	0.3	-4.4	437.5	999.9	99.9	999e9	80.5	89.
69.5	155.7	20591.2	50.0	-61.9	99.9	297.4	2.7	2.4	-1.2	497.6	999.9	99.9	999.9	82.5	89.
82 <b>.</b> 1	165.7	24989.8	25.0	-52.6	99.9	50.8	0.9	-0.7	-0.6	633.7	999.9	9969	999.9	83. 8	91.

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 22302 FT. ŠILL. GKLA

24 APRIL 1975 612 GMT

57 436. 0

TIAE	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E 20T T	MX RTO	RH	RANGE	A Z
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	кч	DG
0.0	8.9	362.0	964.4	20.4	19.1	180.0	4.5	0.0	4. 5	298.6	336.8	14.6	92.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	10.0	492.5	950.0	20.2	18.4	172.2	11.6	-1.6	11.5	299.6	337.1	14.2	89.3	0.3	336.
1.2	12.1	723•7	925.0	19.6	18.0	181.6	18.2	0.5	18.2	301.2	339.0	14.2	90.5	0.9	3496
2.0	14.3	960e7	900.0	19.7	17.7	196.7	22.5	6.5	21.6	303.7	342.2	14.3	86.2	1.9	359.
2.8	16.4	1204.8	875.0	20.5	15.8	212.4	23.2	12.4	19.6	306.9	342.6	13.1	74.5	3.0	9.
3.7	18.8	1455.5	850.0	19.5	13.7	217.1	24.4	14.7	19.5	308.1	340.4	11.7	69.2	4. 1	17.
4.6	21.0	1712.1	825.C	17.2	13.3	224.4	23.8	16.7	17.0	308.4	340.9	11.8	77.9	5. 4	22.
5• 5	23.4	1975.5	800.0	16.8	9.1	237. B	17.8	15.1	9•5	310.3	336.0	9.1	60.4	6.3	27.
6.4	, 25.7	2245.6	775.0	15.0	0.8	243.6	15.2	13.6	6.7	310.7	326.4	5.4	39.0	7.1	31.
7.3	29.1	2522.1	750.0	13.7	-13.7	245.5	16.5	15.0	6• 8	311.6	317.2	1.8	13.6	7.8	35.
8.3	30.7	2806.1	725.0	11.0	-14.2	245.5	18.0	16.4	7.5	311.8	317.2	1.8	15.5	8.7	36.
9.3	33.3	3097.1	700.0	8.2	-15.5	244.5	19.0	17.2	6. 5	311.8	316.9	1.6	16.8	9.7	41.
10.3	35. 8	3395.7	675.0	5.5	-16.8	243.6	19.4	17.4	8.6	312.0	316.6	1.5	18.1	. 10.8	44.
11.3	38.4	3702.5	650.0	2.5	-17.2	243.0	19.1	1741	8.7	312.0	316.8	1.5	21.6	11.9	46.
12.3	41.0	4017.6	625.0	-0.7	-18.3	243.5	19.9	17.8	8. 9	311.9	316.4	1.4	24.7	13.0	47.
13.3	43.9	4341.9	600.0	-3.5	-20.8	255.1	20.7	20.0	5 · 3	312.2	316.0	1.2	24.8	14.2	49,
14.4	* 46.8	4678.5	575.0	-3.5	-25.0	261.8	25.0	24.7	3.6	315.9	318.6	0.9	17.0	15.5	52.
, 15.6	49.9	5027.7	550.0	-6.6	-26.6	260.8	25.4	25 <b>. l</b>	4. 1	316.4	319.0	0.8	18.4	17.1	55.
16.8	52.6	5388.7	525.0	-10.2	-28.2	258.4	26.2	25.7	5+3	316.2	318.6	0.7	21.2	18.7	57.
18.1	55.6	5762.5	500.0	-12.5	-38.2	258.6	26.2	25.7	5. 2	317.8	318.9	0.3	10.3	20.7	59°
19.5	58.8	6154.6	475.0	-12.6	-11.8	265.6	27.0	26.9	291	322.3	323.1	0.2	6.5	22.7	
20.9	62.1	6564.4	450.0	-16.3	-44.1	999.9	99.9	99.9	99.9	322.7	323.4	0.2	7.0	999.9	
99.9	99.9	99.9	425.0	99.9	99.9	99.9	99.9	99.9	9909	99.9	999.9	99. 9	999•9	999.9	
99.9	59 <b>.</b> 9	95.9	400.0	99.9	.99•9	99.9	99.9	99.9	99•9	99.9	999.9	99.9	995.9	999.9	-
99•9	99.9	99.9	375.0	99.9	99.9	95.9	99•9	99.9	99•9	99.9	999•9	99•9	999•9	999.9	
99.9	99.9	ċ\$•9	350.0	99.9	99.9	99.9	99.9	99.9	99• 9	99.9	999.9	99.9	999.9	999. 9	
99•9	99. 9	99.9	325.0	99.9	99.9	99.9	99•9	99.9	99.9	99.9	999.9	99+9	999•9	999.9	
99.9	99.9	99.9	300.0	99.9	<b>59•9</b>	99•9	99.9	99•9	99• 9	99•9	999.9	99.9	999.9	999.9	
99. 9	99.9	99.9	275.0	99.9	99,9	99.9	33.3	99•9	99 <b>.</b> 9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99•9	99.9	999.9	99.9	999.9	999. 9	
<b>99.9</b>	99.9	99.9	225.0	99.9	99.9	99•9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99,9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	599.9	99•9	999.9	999. 9.	
99.9	99.9	99.9	175.0	99.9	99•9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	95e 9	ċ9•9	150.0	99.9	99•9.	99.9	99.9	99•9	99•9	99.9	999.9	99.9	999.9	999. 9	
99.9	99.9	99.9	125.0	99•9	99•9	99.9	99.9	39.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	<b>99</b> •9	100.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	75.0	99.9	99•9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9	
99. 9	99.9	99.9	50 <b>.</b> 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999,9	999.9	
99.9	99.9	99.9	25.0	99.9	99.9	9909	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

24 April 1975

1200 GMT

(2) - 125

#### STATION NO. 208 CHARLESTON. SC

#### 24 APRIL 1975 1152 GMT

157 17. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GFM MB CG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 4.2 13.0 1022.0 19.4 13.3 180.0 3.2 0.0 3. 2 292.0 316.7 9.5 68.0 0.0 ٥. 0.6 5.8 200.5 1000.0 19.0 1201 200.0 12.8 4.4 12.0 293.3 316.8 64.4 0.3 17. 8.9 1.2 7.9 417.8 975.0 17.7 10.8 201.9 12.1 4.5 11.2 294.1 316.3 8 - 4 63.8 0.7 19. 1.9 10.1 639.5 950.0 15.9 9.5 200.6 13.0 4.6 12.1 294.4 315.4 7.9 65.9 1.2 .20. 2.4 12.1 865.7 925.0 13.9 9.0 200.7 12.4 4.4 11.6 294.6 315.5 7.9 72.4 1.7 20. 900.0 3.2 14.4 1096.4 11.8 8.7 206.9 11.1 5.0 9.9 294.7 315.9 7.9 81.5 2.2 21. 1332.5 875.0 297.1 307.5 3.9 16.4 12.3 -2.7 222.8 9.3 6.3 6.8 3.7 36.5 2. 6 23. 299.1 305.1 2.0 4.6 18.5 1575.2 850.0 12.1 -10.5 233.0 6.5 5.2 3.9 19.5 2.9 26. 37.4 1824.5 -3.3 250.4 300.4 310.8 3.6 3.1 5.3 20.8 825.0 10.7 5.4 5.1 1.8 28. 23.2 2079.9 -0.6 300.4 313.4 32. 6.1 800.0 8.1 253.5 6.6 6.3 1.9 4.6 54.2 3.3 312.4 6.9 25.5 2341.3 775.0 -2.8 262.2 6.5 6.5 0.9 300.9 4.0 52.8 3.6 35. 6.1 27.8 2605.4 750.0 -21.0 276.0 -0.6 302.9 306.0 1.0 12.8 3.8 39. 7.6 5.8 5.6 5.6 30.3 -1.9 305.0 321.0 78.3 3.9 8.4 2886.5 725.0 4.3 0.9 290.5 5.4 5.1 5.7 42. -0.5 32.9 3171.9 700.0 3.0 299.3 5.4 -3.1 306.5 321.6 5.3 77.7 4.0 47. 9.4 6.4 35.5 3466.2 675.0 300.7 -3.3 307.7 322.0 4.9 78.9 4.1 10.3 1.3 -1.9 6.5 5.6 52 308.9 11.2 38.0 3769.1 650.0 -0.5 -3.5 255.0 6.3 5.5 -3.1 322.2 4.5 80.G 4.2 56. 4082.3 625.0 -2.4 295.4 7.1 -3.4 310.2 321.8 3.9 75.8 4.4 12.2 4C.6 -6.0 7.8 61. 296.9 13-0 43.3 4406-0 600.0 -4.0 -9.0 9.3 8.3 -4.2 311.9 321.6 3.2 67.9 4. 7 65. 14.0 4741.0 575.0 -5.8 -11.9 305.7 10.3 -6.0 313.5 321.7 2.7 62.3 5. 1 70. 46.3 8.4 314.0 319.8 15.0 45.3 5087.7 550.0 -8.6 -17.0 303.7 11.6 9.6 -6.4 1.8 50.7 5.4 76. 16.0 52.0 5446.8 525.0 -11.0 -21.5 293.2 13.9 12.7 -5.5 315.4 319.6 1.3 41.3 6. G 81. 17.0 55.1 5819.7 500.0 -14.0 -26.7 291.8 16.5 15.3 -6.1 316.0 318.9 0.9 33.0 6.9 85. 18.3 58.1 62C7.6 475.0 -15.7 -38.0 267.4 14.9 14.2 -4.5 318.5 319.5 0.3 12.7 8.0 89. 6614.6 -39.1 294.5 13.7 12.4 -5.7 321.5 322.5 0.3 12.9 9.1 91. 19.7 61.6 450.0 -17.3 21.1 7040-1 425.0 -20.6 -41.5 290.1 13.6 12.0 -6.4 322.5 323.4 0.2 13.3 10.1 94. 65. O 22.7 68.4 7485.5 400.0 -24.1 -44 . I 289.5 17.3 16.3 -5.8 323.6 324.3 0.2 13.7 11.4 96. 325.0 325.5 24.3 72.0 7953.1 375.0 -27.6 -46.7 251.4 17.7 16.5 -6.5 0.1 14.1 13.2 98. 25.9 75.7 8445.6 350.0 -31.8 -49.9 291.6 20.0 18.6 -7.4 325.8 326.2 0. I 14.6 14.9 100. 27.6 79.7 8964.7 325.0 -36.3 -53.4 295.1 19.9 18.0 -8.4 326.5 326.8 0.1 15.1 16.9 101. 29.7 8.69 9514.9 300.0 -40.5 99.9 294.4 16.5 15.0 -6.8 328.3 999.9 99.9 999.9 19.2 103. 999.9 32.1 68.0 10101.6 275.0 -44.9 99.9 293.B 19.6 17.9 ~7.9 330.2 999.9 99.9 21.8 104. 34.8 92.8 10733.2 250.0 -49.6 99.9 292.7 21.9 20.2 -0.5 332.3 999.9 99.9 999.9 25.1 175. 37.5 57.6 11415.2 225.0 -54.5 99.9 297.6 25.4 22.5 -11.8 335.1 999.9 99.9 999.9 28, 6 106. 337.6 999.9 99.9 999.9 33.7 108. 40.6 102.8 12160.1 200.0 -60.1 99.9 302.3 29.7 25.1 -15.9 999.9 999.9 39.9 110. 43.8 108.8 12988.5 175.0 -62.3 99.9 290.8 36.0 33.7 -12.8 347.1 99.9 999.9 999.9 13947.2 293.6 29.3 -11.7 368.5 99.9 47.1 111. 47.9 115.2 150.0 -59.0 99.9 26.8 999.9 99.9 999.9 52.4 287.4 385.0 54.4 111. 122.3 15088.3 125.0 -60.7 99.9 22.4 21.3 -6.7 999.9 99.9 999.9 130.0 15449.6 100.0 -67.4 279.3 13.0 12.8 -2.1 397.6 60.5 111. 57.6 59.9 13.7 0.9 266.1 13.7 425.8 999.9 99.9 999.9 65.5 109. 63.7 138.7 18163.4 75.0 -70.2 99.9 498.5 999.9 99.9 999.9 69.3 111. 71.7 147.3 20644.3 50.0 -61.6 99.9 359.5 6.5 0.1 -6.5 999.9 157.0 25053.3 25.0 -50.7 99.9 314.8 4.5 3.2 -:3a 2 638.9 999.9 99.9 70.0 112. 84.6

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 211 TAMPA. FLA

24 APRIL 1975 1115 GMT

161 13. 0

TIME	CNTCT	HEIGHT	PRES MB	TEMP DG C	DEW PT	DIR	SPEED	U COMP M/SEC	V CEMP	POT T DG K	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	AZ . DG
MIN		GFM	MB	DG C	DG C	DG	M/SEC	MISEC	M/SEC	DG K	DG A	GHZKG	PCI	KM	DG
0.0	4.0	8.0	1020.9	18.4	14.5	120.0	3.6	-3.1	1.0	291.2	317.7	10.2	78.0	0.0	0.
0.8	5.5	186.2	1000.0	19.3	12.9	123.8	12.6	-10.5	7.0	293.7	318.4	9.4	66.6		301.
1.7	7.4	404.2	975.0	18.9	12.2	132.6	11.8	-8.7	8.0	295.4	319.8	9.2	65.3	1.0	306.
2.5	9.5	626.8	950.0	16.8	11-1	137-1	11.5	-7.8	e. 4	295.4	318.6	8.8	69.0	1.6	309.
3.4	11.3	853.8	925.0	15.3	9.4	142.5	8.9	-5.4	7.1	296.0	317.6	8.1	67.9		312.
4.4	13.5	1086.0	900.0	14.8	4.0	123.0	2.9	-2.4	1.6	297.5	313.1	5.7	48.6	2.5	313.
5.3	15-5	1324.4	875.0	14.9	-2.4	73.6	4.6	-4.4	-1.3	299.7	310.3	3.7	30.9	2.7	311.
6.1	17.6	1565.0	850.0	13.6	-0.6	69.0	5.0	-4.7	-1.8	301.0	313.2	4.3	37.5	2.8	30€.
7.2	19.9	1819.6	825.0	12.1	-3.0	104.2	4.4	-4.3	1.1	301.9	312.6	3.7	34.6	3.0	302.
8.2	. 22.0	2076.2	800.0	10.2	-8.8	110.3	3.4	-3.2	1.2	302.4	309.6	2.5	25.3	<b>3.</b> 3	301.
9.3	24.4	2340-1	775.0	10.7	-19.3	36.6	1.7	-1.0	-1.3	305.4	308.7	. 1-1	10.3		301.
10.5	26.8	2612.7	750.0	10.1	-21.4	17.7	2.3	-0.7	-2.2	307.7	310.6	0.9	8. 9		297.
11.6	29.2	2893.5	725.0	8 • 8	-22.0	346.6	. 0.8	0.2	-0.8	309.2	312.1	0.9	9. 2		296.
12.7	21.9	3182.3	700.0	6.5	-21.9	7.1	1.8	-0.2	-1.8	309.8	312.5	0.9	10.9		295.
13.9	34.5	3480-1	675.0	5•8	-20.5	16.5.	4+4	-1.3	-4. J	312.3	315.9	1.1	13.0		292.
15.1	37.0	3787.4	650.0	3.4	-15.9	17.6	6.0	-1.8	-5.7	313.0	318.4	1.7	22.8		284.
16.3	35.8	4104.4	625.0	1.4	-17.0	19-1	5•7	-1.9	<b>~5•4</b>	314.2	319.4	1.6	23.9		277.
17.8	42.4	4432•3	600.0	0.5	-12.8	5.0	8.4	-0.7	-8.4	317.0	324 • 4	2.4	36.4		267.
19.3	45.4	4772.5	575.0	-2.2	-10.0	355.5	10.8	0.9	-1C.7	317.8	327.4	3.1	54.9		253.
20.7	48.4	5124.5	550.0	-4.5	-12.5	345.6	11.4	2.8	-11.1	319.1	327.4	2.7	53.4		238.
22.2	<b>\$1.3</b>	5489 <b>.</b> I	525.0	-7.3	-15.6	338.0	12.2	4.6	-11.3	315.9	326.8	2.2	51.0		224.
23.6	54.4	5867.3	500.0	-10.6	-14.6	335.1	11.6	4.9	-10.5	320.3	328.2	2.5	72.6		212.
25.2	57.4	6260.3	475.0	-13.1	-20.6	319.7	10.4	6.7	-7.9	321.9	327.0	1.6	53.2		203.
26.8	€0.9	6670.2	450.0	-15.7	-29.5	303.1	11.6	9.7	-6.4	323.5	326.1	0.7	29.4		192.
28•4	64.3	7099.3	425.0	-18.4	~36.4	298.5	12.2	10.7	<b>~5•</b> 8	325•4	326•8	0.4	18.7		182.
30.2	67.7	7550.3	400.0	-20.4	-41.4	290.7	13.9	13.0	-4.9	328.5	329.4	0.2	13.2		171.
31.9	71.3	8024.8	375.0	-23.8	-45.3	292.6	14.7	13.6	-5.7	330.1	330.7	0.2	11.6		161.
33.9	75.2	8525.0	350.0	-27.5	-43.0	297.3	14.8	13.2	-6.8	331.6	332.5	0.2	21.3		153.
35.9	79.3	9053.2	325.0	-32.1	-42.2	300.8	17.2	14.8	-8.8	352-4	333.4	0.3	35.4	10.5	
38.0	83.4	9612.9	300.C	-36.7	-45.2	298.5	18.2	15.9	-8-8	333.5	334.3	0.2	40.5	12.6	
40.3	e7. a	10208-8	275•0	-41.9	99.9	305.2	17.9	14.6	-10.3	334.6	999.9	99.9	999.9	15.0	
42.8	52. B	10846.2	250.0	-47.5	99.9	304.9	21.5	17.6	-12.3	335.5	999.9	99.9	999.9	17.8	
45.5	97.8	11534.0	225.0	-52.8	99.9	301.8	24.2	20.6	-12.8	337.6	999.9	99.9	999.9		135.
48.4	103.3	12284.6	200.0	-58.5	99.9	305.2	27.8	22.7	-16.0	340.1	599.9	99.9	999.9		133.
51.5	109.5	13112.2	175.0	-64.1	99.9	301.7	26.8	22.8	-14-1	344.2	999.9	99.9	999•9	31.3	
55.0	115.8	14065.1	150.0	-60.1	99.9	301.5	22.4	19-1	-11.7	366+6	999.9	99.9	999.9	36.0	
59.1	123.3	15190.8	125.0	-64.6	99.9	298+2	20.0	17.6	-9.4	378.0	999.9	99.9	999.9	41.0	
63.9	131.7	16543.1	100.0	-69.4	99.9	278.4	11.3	11.2	-1.6	393.7	999.9	99.9	<del>9</del> 99•9	44.9	
69.5	140.3	18224.9	75.0	-73.5	99.9	280.9	9.0	8.8	-1.7	418.9	999.9	99.9	999.9	47.8	
77.4	149.7	20670-2	50.0	-61.1	59.9	8.0	4.9	-0.7	-4.8	499.6	999.9	99.9	999.9	50.5	
90.2	159.3	25089.2	25.0	-E2.8	99.9	60.5	4.5	-3.9	-2.2	633.4	999.9	99.9	999.9	50.0	131.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS, GA

24 APRIL 1975 1115 GHT

167 21. E POT T TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP PCT T MX RTO PH RANGE ΑZ MIN GEM MB DG C DG C ÐG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 3.2 44.0 1016.6 15.6 15.0 60.0 1.6 -1.4 -0.8 288.8 315.9 10.6 96.0 0.0 0. 291.0 999.9 999. 4.7 184.5 1000.0 16.5 14.3 995.9 99.9 99.9 99.9 317.6 10.3 87.1 0.4 999.9 999. 1.2 40C.8 975.0 17.4 12.9 999.9 99.9 99.9 99.9 294.0 319.3 9.7 74.8 6. 5 1.2 359. 294.8 7.7 62.6 9.4 622.7 950.0 16.3 9.1 186.3 11.9 1.3 11.9 315.3 1.9 70.7 1.8 2. 295.6 317.5 8.2 2.7 11.6 845.3 925.0 14.9 9.6 189.8 11.0 1.9 10.8 2.2 900.0 183.2 0.5 297.3 316.8 7.2 62.4 3. 3.5 14.2 1061.3 14.4 7 . 3 8.2 R- 2 875.0 12.9 186.7 3.8 298.3 320 - 2 8-1 75.7 2.5 з. 1319.1 8.7 3.9 0.4 4.2 16.5 3-0 259.3 321.3 8.1 80.4 2.7 ٤. 850.0 221.3 4.6 3.5 5.1 19. I 1562.5 11.5 8 - 3 269.2 1611.8 825.0 9.6 9.1 5.6 0.1 299.9 323 · B 8.8 96.3 2.8 9. 6.0 21.6 5.6 800.0 269.8 0.0 302.0 304.1 0.7 6.7 2.9 14. 6.8 24.3 2367.5 10.1 -25-6 4-1 4-1 7.7 26.8 2330.7 775.0 9.2 -44.3 271.7 0.7 0.7 -0.0 303.7 304.0 0.1 1.0 2.9 16. 8.5 29.7 2601.8 750.0 8.5 -5.6 23.7 1.9 -0.8 -1.7 306.2 316.1 3.4 36.4 2.9 16. 9.4 32.5 2881.2 725.0 -3.0 10.6 3.7 -0.7 -3.7 307.3 319.7 4.2. 50.0 2.7 15. 6.7 352.9 308.2 321.0 57.7 2.5 16. 10.3 35.4 3168.6 700.0 4-6 -3.0 5.5 0.7 -5.5 4.4 -1.8 340.6 308.7 323.2 5.0 75.1 2.1 22. 11.4 38.2 3464.0 675.0 2.2 6.4 2.1 -6.1 75.6 1.9 31. 3758.3 650.0 -2.8 330.5 7.4 -6.4 310.8 324.9 4.8 12.4 41.0 1.1 3.6 1.7 13.4 4082.9 625.0 -1.3 -4.7 329.6 8.7 4.4 -7.5 311.6 324.3 4.3 77.1 40. 44.1 324 . 6 3.7 1.7 47.4 4406.1 600.0 -2.6 -7.4 322.4 8.5 5.2 -6.8 313.5 69.6 66. 14.5 1.9 50.6 326.3 3.7 78.2 81. 15.6 4744.7 575.0 -4.6 -7.8 395.7 7.6 6.2 -4.4 315.1 325,2 2.5 57.3 2.4 85. 5094.3 550.0 -6.0 -13.1 297.3 8.5 7.6 -3.9 317.2 16.8 53.9 324.5 2.9 95. -4.1 317.5 2.2 61.5 17.9 57.1 5456.6 525.0 -9.3 -15.3 297.1 9 . 2 8.1 324.4 57.0 3.6 99. 19-1 60.7 5832.2 500.0 -11.8 -18.6 292.8 10.8 9.9 -4.2 318.8 1.8 4.5 100. 20.4 64.4 6223.9 475.0 -14.1 -19.1 288.5 12.6 11.9 -4.0 320.7 326.5 1.8 65.5 21.6 68.0 6632.5 450.0 -16.6 -26.5 295.7 13.5 12.1 -5.8 32264 325.7 1.0 42.0 5.4 102. 326.8 0.8 40.7 6.6 135. 22.9 71.8 7060.3 425.0 -19.4 -29.3 295.0 16.4 14.8 -6.9 324.1 8.1 106. 24.4 76.0 7507.9 400.G -22.9 -31.5 290.4 18.5 17.3 -6.4 325.2 327.6 0.7 45.3 9.9 107. 326.3 328.4 0.6 51.1 26.0 80.1 7977.7 375.0 -26.6 -33.7 289.2 20.9 19.7 -6.9 12.0 108. 0.3 17.1 -9.7 327.5 328.6 36.1 27.7 84.5 8472.2 35C.0 -30+6 -40.7 299.7 19.7 0.2 328.7 329.5 34.4 14.3 110. 29.5 89.0 8994.1 325.0 -34.8 -44.9 300.0 24.7 21.4 -12.3 331.0 17.1 111. 330.7 0.1 18.7 31.3 54. Q 9548.2 300.0 -38.7 -53.7 294.8 24.1 21.9 -10.1 999.9 19.8 112. -10.3 332.6 99.9 999.9 33.3 99.0 10140.6 275.0 -43.2 99.9 296.2 23.3 20.9 999.9 335.3 99.9. 99949 23.5 113. 35.8 104.4 10776.6 250.0 -47.6 59.9 299.3 28.1 24.5 -13.7 999.9 999.9 27.6 113. 38.1 110.2 11463.9 225.0 -53.1 99.9 293.5 30.6 28.0 -12.4 337.2 99.5 338.6 99.9 289.9 35.0 32.9 -11.9 999.9 99.9 999.9 33.0 113. 40.9 116.3 12212.0 200.0 -59.5 175.0 291.4 34.4 32.1 -12.6 343.0 999.9 99.9 999.9 39.6 113. 43.9 123.0 13036.9 -64.8 99.9 13997.4 27.5 -10.0 366.9 999.9 99.9 999.9 45.6 113. 47.5 130.0 150.0 -59.9 99.9 290.0 29.2 125.0 -7.6 379.5 999.9 99.9 999.9 52.1 112. 137.3 99.9 286.8 26.5 25.4 51.7 15127.4 -63.8 -2.4 397.9 999.9 99.9 999.9 58.0 111. 16481.2 100.0 99.9 280.3 13.7 13.4 56.5 144.5 -67.2 -5.4 -70-1 99.9 308.3 8.7 6.8 425.9 999.9 99.9 999.9 62.8 110. 62.2 152.0 19191.2 75.0 -5. 2 502.3 999.9 99.9 999.9 65.8 112. 70.6 160.0 23657.8 50.0 -59.9 99.9 27.1 5.9 -2.7

-50.7

99.9

358.9

25.0

83.0

167.8

25092.7

0.0

-1.2

639.4

999.9

99.9

999.9

66.2 114.

1.2

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 220 APALACHICOLA. FLA

24 APRIL 1975 1115 GMT

			•					···-					-		
TIME	CNTCT	<b>HEIGHT</b>	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIM		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.6	11.0	1.020.3	20.4	18.7	140.0	5.2	-3.3	4.0	293.7	328,4	13.5	90.0	0.0	0.
0.6	6. 3	185.2	1000.0	20.1	17.4	175.2	16.7	-1.4	16.6	295.0	327.8	12.6	64.4	0.2	334.
1.2	6.6	403.9	975.0	19.5	11.8	180.9	15.8	0.2	15.8	296.0	320.0	9.0	61.3	0.9	352.
1.9	10.8	627.3	950.0	18.3	12.5	189.0	12.5	1.9	12.3	297.1	322.7	9.6	68.6	1.4	357.
2.6	13.2	856.1	925.0	17.7	12.1	194.3	7.1	1.8	6.9	298.7	324.6	9.7	69-8	1.8	1.
3.4	15.5	1090.2	900.0	15.7	13.0	203.9	5.8	2.4	5.3	299.1	327.2	10.5	83.9	2.1	2.
4.2	16.0	1329-1	875.0	13.9	13.2	221.7	6.8	4.5	5.0	299.6	329.0	11.0	95.7	2.4	7.
4.9	20.4	1573.6	850.0	11.9	11.6	224.6	7.2	5.0	5.1	300.0	327.4	10.2	97.8	. 2.6	I G.
5.7	22.9	1822.7	825.0	8.0	-39.6	251.5	5.3	5.0	1.7	297.2	300.0	1.0	1006	2.9	15.
6.4	25.4	2079.7	800.0	12.3	-3.4	300.7	3.3	2.8	-1.7	304.8	315.8	3•8	33.8	2.9	18.
7.3	27.9	2345.0	775.0	10.7	-0.6	347.5	1.7	0.4	-1.7	305.9	319.6	4.7	45.5	2.8	21.
8.1	30.7	2618.1	750.0	10.2	-7.6	97.3	2.2	-2.2	0.3	308.0	316.7	2.9	27 <b>.7</b>	2.7	20.
8.9	33.4	2899.0	725.0	8.2	-7.3	112.0	3.0	-2.8	1.1	308.8	317.9	3.1	32.7	2.7	16.
9.7	36.0	3187.4	700.0	6.2	-11.6	111.6	1.5	-1.4	0.5	369.6	316.5	2.2	26.€	2. 7	14.
10.7	38.9	3484.3	675.0	4.7	-44.3	333.0	1.3	0.6	-1.1	310.9	311.4	0.2	2.1	2.7	1 3.
11.5	41.5	3790.9	650.0	3.0	-10.9	339.6	4.0	1.4	-3.7	312.7	320.7	2.6	35.6	2. 6	16.
12.5	44.5	4107.7	625.0	1.3	-12.9	332.9	8.3	3.8	-7.4	314.2	321.3	2.3	33.8	2. 4	19.
13.5	47=6	4434.9	600.0	-1-1	-12.3	328.6	11.3	5.9	-9.7	315.1	322.8	2.5	42.2	2.0	36.
14.5	50.6	4773.0	575.0	-3.5	-12.2	326.7	11.8	6.5	-9.9	316.2	324.3	2.6	50.8	1.8	57.
15.6	53.6	5123.0	550.0	-6.2	-11.5	325.5	13.7	7.7	-11.3	317.0	326.0	2.9	66.2	5.0	77.
16.7	56.7	5465.4	525.0	-8.8	-13.9	323.9	14-4	8•5	-11.7	318.2	326.0	2.5	66.4	2.5	99.
17.9	€0.0	5861.8	50 C • O	-11.5	-16.5	311.3	13.1	9•8	-8.6	319.2	325.9	2.1	66.4	3.3	110.
19.1	63.4	6254.1	475.0	-13.7	-20.1	301.4	13.2	11.2	-6.9	321.2	326.5	1.6	58•3	4.3	113.
20.5	66.9	6662.9	450.0	-16.7	-22.8	300.6	13.3	11.5	- <del>c .</del> 8	322.4	326.8	1.4	58.9		115.
21.8	70.4	7090.3	425.0	-19.8	-26.0	293.3	13.7	12.6	-5.4	323.6	327.3	1.1	57 <b>. 9</b>	6. 4	115e
23.3	74.0	7537.1	400.0	-23-3	-31.2	294.3	15.5	14.2	-6.4	324.7	327.2	0.7	48.0		114.
24.9	70.0	8007.9	375.0	-25.8	~34.0	305.2	16.4	13.4	-9.5	327.4	329.4	0.6	46.0		115.
26.6	81.8	8504.3	350.0	-29.4	-40.0	307.6	16.0	12.7	-9.8	329.0	330 • 2	E .0	34.6	10.9	
28 • 3	85· 9	9029.0	325.0	-33,5	-43.8	304.3	17.7	14.6	-10.0	330.4	331 • 3	0.2	34.4	12.6	
30.4	90.4	9586.1	300.0	-37.6	-53.2	305.8	18.4	15.0	-10.8	332.3	332.6	0.1	17.5	14.8	119.
32.5	95•1	10180•ō	275.0	-42.4	99.9	301.7	20.1	17-1	-10.5	333•€	999.9	99.9	999.9	17.1	
34,5	99.8	10818.1	250.0	-47.5	99.9	302.3	22.6	19.1	-12.1	335.4	999.9	99.9	999.9	19.9	
36.8	105.0	11505.1	225.0	-53.4	99.9	296.8	28.7	25.7	-12.9	336.7	999.9	99.9	999•9	23.3	
39.4	110.6	12253.3	200.0	-59.0	59 <b>.</b> 9	295.2	27•2	24.6	-11-6	339.3	999.9	99.9	999.9	27• 3	
42.1	116.3	13080.3	175.0	-64.3	99.9	291.5	27.4	25.5	-10.0	343.9	999.9	99•9 -	999.9	32.0	
45.4	123.0	14037.3	150.0	-60.5	99.9	300.2	22.7	19.6	-11.4	365•€	999.9	99.9	<del>9</del> 99•9	37.0	
49.4	130.3	15163.6	125.0	-65•1	<b>99.9</b>	298.3	23.0	20.2	-10.9	377.1	999.9	99.9	999•9	42.0	
54.1	138.0	16507.1	100.0	-70.2	99.9	304.2	14.7	12.2	-6.3	392.1	999.9	99.9	999.9	47.5	
59.6	145.8	18204.9	75.0	-71.5	99.9	296•6	7.0	6.3	-3.1	423.1	999.9	99.9	999.9		118.
67.4	154.7	20671.9	50.0	-60.2	99.9	358.0	5.6	0.2	-5.6	501.8	999•9	99.9	999.9	52.7	
74.9	164.0	25115.6	25.0	-52.1	99.9	143.9	2.7	-1.6	2.2	634.9	999.9	99.9	995.9	52. 5	122.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE. ALA

•						< 4	APRIL	19/2							
							1115 G	MT					10	64 17.	. 0
TIME	CNTCT	HE I GHT	PRES .	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SFC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.1	140.0	1002.5	17.1	15.4	100.0	2.6	0.0	2.6	291.5	320.1	11.1	90.0	. 0.0	0.
0.1	6.3	161.4	1000.0	16.8	15.2	186.4	2.1	0.2	2. 1	291.4	319.7	11.0	90.4	0.1	358.
1.1	e. e	377.3	975.0	15.9	14.6	195.8	6.7	1.8	6.5	292.6	320.5	10.8	91.9	0. 5	1.
2.0	11.0	598.2	950.0	15.0	13.8	200.0	11.6	4. D	10.9	293.8	321.3	10.5	92.2	1.0	9.
3.0	13.5	824.6	925.0	14.7	11.4	206.3	14.7	6.5	13.1	295.6	320.0	9. 2	80.3	1.7	16.
3.9	15.8	1057.0	900.0	15.0	11.9	205.7	16.1	7.0	14.5	298.3	324.5	9.8	81.4	2.6	19.
4.8	18.3	1295.7	875.0	14.0	7.3	217.0	13.5	8.1	10.8	299.3	319.5	7.4	64.2	3.4	22.
5.8	20.8	1540.2	850.0	13.3	4.6	221.6	55.2	10.1	11.4	301.0	318.3	6.3.	55.3	4.2	25.
6 · A	23.4	1791.5	825.0	12.8	3.9	222.8	15.9	10.8	11.6	303.0	320 . 2	6 • 2	54.5	5.0	29.
7.7	25.8	2049.7	900.0	11.8	3.3	223.4	13e5	9.3	9.8	304.6	321.7	6.1	55.9	15∙ 9	
8.8	28.7	2314.8	775 n 0	10.0	2.8	231.8	13.2	10.4	8.2	305€4	322.5	6.1	60.7	6.7	33.
9.9	31.4	2586.6	750.0	8.7	-14.0	240-1	14.4	12.5	7.2	306.3	311.5	1.7	18.3	7. 5	35.
21.0	34.2	2566.5	725.0	8.4	-31.1	249.9	16.0	15.0	5.5	308.7	310.1	0.4	4.2	8•4	39.
12.1	36, 9	3155.3	700.0	6.9	-45.7	24508	16.2	14.8	6.6	310.1	310.5	0.1	1.0	9.4	42.
13.2	39.8	3452.9	675.0	5.2	-15.3	249.1	17.2	16.1	6.1	311.7	317.1	107	21.0	10.4	
14.3	42.5	3759.3	650.0	2.4	-17.5	259.2	18.3	18.0	3.4	311.8	316.5	1.5	21.3	11-4	47e
15.5	45.5	4074.7	625.0	-0.2	-13.5	265.5	20.8	20.8	1.6	312.5	319.2	2.2	35.9	12.6	51.
16.7	48. Ö	4400.0	600.0	-2.9	-9.8	265.6	20.4	20.4	1.6	313.1	322.4	3.0	59.0	13.9	55.
17.9	£1.6	4735.7	575.0	-5.5	-9.9	265.0	16.3	16.3	1.4	313.9	323.4	3. 1	71.3	15.1	58•
19.1	54.9	5083.2	550.0	-7.6	-11.5	265.1	12.0	11.9	1.0	315.4	324.3	2.9	73.7	16.0	59.
20.4	58.0	5443.9	525.0	-10-4	-15.5	276.2	10.1	10.0	-1.1	316.1	323.0	2.2	66.1	16.8	61.
21.8	61.4	5818.0	500.0	-13.4	-15.9	288.9	11.1	10,5	-3.6	316.9	323.9	2.2	81.6	17.3	63.
23.2	65.0	6206.1	475.0	-16.9	-18.4	283.1	16.6	16.1	-3.8	317.3	323.3	1.9	87.8	18-1	
24.5	68+4	6609.8	450.0	-20.3	~25.6	287.0	16.1	15.4	-4.7	317.8	32i • 4	1.1	63.6	19•2	
26.2	71.8	7031.8	425.0	-22.1	-43.2	280.2	14.1	13.9	-2.5	320.7	321.8	0.3	20.5	20.4	70.
28.2	75.7	7475.9	400.0	-24.5	-35.6	277.8	19.2	19.1	-2.6	323.1	324.7	0.5	34.7	22. 1	72.
29.9	75.8	794267	375.0	-28.1	-62.6	277.0	22.2	22.1	-2.7	324.4	324.5	0.0	2.2	24. 1	
31.6	63.7	8434.0	350.6	-32.1	-45.8	270.3	26.5	26.5	-0.1	325.4	326.0	0 • 2	24.3	26 • 4	
33 <b>.</b> 2	87 <b>.</b> 8	8952.1	325.0	-36.5	-38.3	266.7	27.6	27.6	1.6	326.4	327.9	0.4	83.2	29.1	
35.3	92.4	9502.6	300.0	-40.6	99•9	272.3	32.3	32.3	-1.3	328.1	999.9	99.9	999•9	32• 6	79.
37.5	57.0	10058.5	0 ن 275	-45.9	99.9	282.8	28.1	27.4	-6 • 2	328.7	999.9	99.9	999.9	36 • 4	
39.8	101.8	10716-9	250.0	~50•5	99.9	280.8	32.6	32.0	-ۥ 1	331.0	994.9	99.9	999•9	40 • 5	
42.7	107.3	11397.1	225.0	-54.9	99.9	280.5	41.2	40.5	-7.5	334.4	999.9	99.9	999•9	46.6	
45.6	112.8	12141.5	200.0	-60.0	99.9	268.9	41.2	41.1	6.8	337.7	999.9	99.9	999.9	53 <b>•</b> 1	
49.0	118.8	12975.1	175.0	-58.6	99.9	274.2	40.5	40.4	-2.0	353.2	999•9	99.9	99 9. 9	61.9	
53.1	125.8	13944.2	150.0	-60.2	99•9	274.1	24.7	24.6	-1.8	366.4	999.9	99.9	999.9	68. 4	
57.5	133-0	15069.8	125.0	-63.7	99.9	282.1	32.1	31.4	-6.7	379.6	999.9	99.9	999.9	76.4	90.
62.5	140.5	16422.9	100.0	-69.9	99.9	273.2	23.7	23.€	-1.3	392.8	999.9	99. 9	99909	84.1	90.
69.1	148.3	18140-7	75.0	-65.9	99.9	263.9	14-1	14.0	1.5	434.9	999.9	99.9	999.9	90.5	
78.6	157.0	20615.6	50.0	-62.0	99.9	305-1	5.0	4-1	-2.9	497.3	999.9	99.9	999.9	93. 4	
93.7	166.0	25048-9	25.0	-49.9	99.9	28.3	6.1	-2.9	-5.4	641.2	999.9	99.9	999.9	94.3	93.

<sup>\*</sup> PY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TERF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### SWATION NO. 232 BOCTHVILLE. LA

24 APRIL

1115 GMT	152	31.	0

TIME	CNTCT	+E I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	A CCM6	PCT T	E POT T	MX RTO	RН	RANGE	AZ
MIN		GF M	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5.0	1.0	1017.3	21.4	20.9	150.0		-2.1	3•6	205-2	335•2	15.5	97.0	0.0	0.
0.5	6. 3	150.7	1000.0	22.0	21.2	165.1	.4.1 12.8	-3.3	12.3	295•2 297•3	339.1	16.1	95.0		335.
1.3	E • 5	371.5	975.0	21.2	20.4	172.2	12.4	-1.7	12.2	298.6	339.6	15.7	94.8	0.9	
2.2	10.6	597.0	950.0	19.7	18.8	177.0	12.3	-0.6	12.3	299.1	337.4	14.5	94.4	1.6	
3.1	12.8	826.9	925.0	17.7	16.8	176.5	12.3	-0.8	12.3	299.2	333.9	13.1	94.2		351.
3.9	15.1	1061.5	900.0	18.7	11.8	183.0	10.7	0.6	10.7	302.2	329.0	9.9	65.0		
4.9	17.3	1303.4	875.0	18.5	0.7	201.5	9.0	3.3	8.4	303.6	316.7	4.6	30.2		
5.9	15.7	1551.0	850.0	17.0	1.9	190.8	9.8	1.8	9.7	304.6	319.4	5.2	36.3	3.8	
6.8	21.9	1804.8	825+0	15.1	3.7	202.4	9.3	3.5	8.6	305.4	322.6	6.1	46.2	. 4. 3	1.
7.7	24.4	2064.8	800.0	13.5	0.4	210.2	11.0	5.5	9.5	306.2	320.5	5.0	41.0	4.8	4.
8.7	26.7	2331.4	775.0	12.6	-11.2	217.8	9.3	5.7	7.4	307.6	314.1	2.1	18.1	5. 4	7.
9.7	29.3	2606.1	750.0	12.5	-17.7	233.5	6.6	5.3	3.9	310.3	314.4	1.3	10.7	5.8	10.
10.8	31.9	2890.0	725.0	13.0	-41.9	256.5	3.5	3.4	0.8	313.8	314.2	0.1	1.0	6.0	13.
11.9	34.6	3183.1	700.0	10.6	-24.0	286.3	3.2	3.0	-0.9	314.3	316.9	0.8	6.9	6.0	14.
12.9	37.0	3484.1	675.0	8 • 1	-21.9	294.3	3.1	2.8	-1.3	314.6	318.0	1.0	9.8	6.0	16.
14.0	39.8	3793.9	650.0	5.6	-23.5	289.5	3.2	3,1	-1.1	315.4	318.3	0.9	10.1	5.9	18.
15.2	42.2	4112.7	625.0	2.7	-18.9	283.1	4.6	4.5	-1.0	315.7	320.2	1.4	18.8	6. 0	21.
16.4	45-1	4441.1	600.0	-0.2	-13.6	294.4	6.1	5.5	-2.5	316.1	323.1	2.2	35.7	6.0	25.
17.7	48.1	4780.5	575.0	-2.6	-12.2	285.0	6.6	6.4	-1.7	317.3	325.4	2.6	47.4	6. 1	29.
18.9	50.9	5131.9	550.0	-4.9	-13.4	282.3	7.7	7.5	-1.6	318.6	326.3	2.5	51 • 1	6 • 2	34.
20.3	54.0	5495.7	525.0	-8.0	-15.0	290.0	8 • 1	7.6	-2.8	319.1	326.3	2.3	56.6	6.5	39.
21.6	56. 9	5872.9	500.0	-11-0	-15.3	283.5	8.6	8.3	-2.0	319.8	327.2	2.3	70.6	6.7	45.
23.0	60.1	6266.1	475.0	-12.3	-35.6	274.9	10.6	10.5	-C• 9	322,8	324.1	0.4	12.2	7•.2	
24.5	63.6	6676.9	450.0	-15.6	-27.6	281.5	14.7	14.4	-2.9	323.7	326.7	0.9	34.8	8.0	56.
26.0	66.9	7105.5	425.0	-18.6	-30.0	283.9	15.0	14.5	-3.6	325.2	327.8	0.7	35.6	9.0	62.
27.7	7C. 4	7555.6	400.0	-21.7	-29.0	280.4	14.5	14.3	-2.6	326.8	329.6	0.8	48.5	10.2	
29.3	74.0	8027.0	375.0	-25.6	-30.5	280.2	15.9	15.7	-2.8	327.7	330.5	0.8	63 <b>.</b> I	11e4	71.
31.2	78.0	8523.7	350.0	-29•4	-38.2	277.0	19.5	19.4	-2.4	329.0	330.5	0.4	41.7	13.2	
33∙0	e1 • 8	9050.0	325.0	-32.6	99.9	282.2	21.1	20.7	-4.5	331.8	999.9	99.9	99 9• 9	15.3	79.
34.9	£5.9	9609.1	300.C	-36.8	99.9	279.0	22.8	22.5	-3.6	333.5	999.9	99.9	999•9	17.6	52.
37-1	90.4	10204.3	275.0	-42.4	99.9	279.1	23.9	23.6	-3.8	333•9	999.9	99.9	999•9	20.6	84.
39.3	95, 2	10841.1	250.0	-47.8	99.9	281.3	27.1	26.6	-5.3	335.1	999•9	99.9	999.9	24.0	87.
41.8	100.2	11529.8	225.0	-52.7	99.9	273.1	26.8	26.7	-1.5	337.7	99919	99.9	999.9	28•1	88.
44.4	105.5	12280.5	200.0	~58.3	99.9	264.9	35.0	34.8	3.1	340.5	999.9	99.9	999.9	32.6	
47.3	111.3	13109.3	175.0	-64.5	99.9	265.5	29.3	29•2	2. 3	343.5	999.9	99.9	999.9	38.2	
50 • 7	117.7	14056.8	150.0	-60.4	99.9	275.3	27.4	27.2	-2.5	366.1	999.9	99.9	999.9	45.0	
54.7	125.0	15183-3	125.0	-63.9	99•9	276.6	21.7	21.5	-2.5	379.2	999.9	99.9	999.9	50.7	
59.7	133.0	16532.3	100.0	-70-4	99.9	279.9	17.8	17+5	-3.1	391.7	999.9	99.9	999.9	57.0	89.
65.4	141.0	18222.5	75.0	-70-2	99.9	265.4	8.8	8.8	0.7	425.7	999.9	99.9	999.9	61.2	90.
73. 7	149.7	20689.9	50.0	-61.4	99.9	337.5	4.6	1.8	-4.2	498.9	999.9	99.9	999.9	62.5	91.
99.9	99. 9	99.9	25.0	99.9	99.9	99•9	99•9	99.9	88° ë	99.9	999.9	99.9	999.9	999. 9	9940

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPULATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 235 JACKSEN. MISS

#### 24 APRIL 1975 1115 GMT

162 14. 0

													_		
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	. GM/KG	PCT	KM	DG
0.0	4.4	100.0	1004.0	21.7	19.6	180-0	3•3	0.0	3.3	296•5	334.2	14.5	86.0	0.0	0.
0.0	4.7	134.8	1000.0	21.6	19.7	186.8	5.4	0.6	5.4	296.7	334.7	14.6	89.1	0 • 1	0.
0.8	€. 5	355.1	975.0	20.6	19.1	193.8	8.8	2.1	e. 5	297.8	335.6	14.4	91.1	0.3	4.
1.5	6.5	579.8	950.0	19.0	17.8	203.3	11.5	4.6	10.6	298.3	334.3	13.7	92.9	0 • B	12.
2.3	10.5	809.2	925.0	17.3	16.3	207.9	14.8	649	13.1	298.7	332.3	12.7	93.3	1 . 4	19.
3.1	12.6	1043.3	900.0	15.6	14.7	210.3	16.7	8.4	14.4	299.2	330.5	11.8	94.0	2• 1	22.
3.6	14.8	1282.7	875.0	14.2	13.1	215.1	18.9	10.8	15.4	300.0	329 • 3	10.9	93.4	2.9	25.
4.6	16.7	1527.5	850.0	12.4	11.4	216.6	17.9	10.7	14.4	300.5	327.5	10.0	93.1	3.8	28.
5 • 4	19.1	1777.8	825.0	11.0	9.9	215.7	18.5	10.8	15.0	301.4	326.9	9.4	93.3	4.6	29.
6.1	21.2	2034.5	800.0	9.4	5.9	218.6	19.2	12.0	15.0	302.2	323.4	7.7	82.6	5.4	30·
6.8	23.6	2297.0	775.0	8.8	-34.6	224.6	17.9	12.6	12.7	303.3	304.3	0.3	3.0	6.1	32.
7.5	25.8	2571.0	750.0	14.2	-21.2	227.3	16.2	11.9	11.0	312.1	315.2	0.9	7.0	6. 9	34.
8.5	28.3	2855.7	725.0	12.3	-18.3	231.6	15.5	12.1	9.6	313.1	317.1	1.2	10.2	7.8	75.
9.4	30.8	3140.1	· 700.0	9.9	-17.2	239.9	17.2	14.9	6.6	313.6	318.1	1.4	13.0	8. 6	37.
10.3	33.3	3448.7	675.0	7.4	-16.2	241.9	18.9	16.7	8.9	314.2	319.2	1.6	15.7	9.5	<b>⇒0.</b>
11.3	35. 9	3757.7	650.0	4.5	-15.2	245.2	19.3	17.5	8-1	314.3	320.0	1.8	22.2	10.6	42.
12.4	38.4	4075.6	625.0	1.8	-16.5	251.8	19.8	18.8	6.2	314.7	320.0	1.7	24.1	11.7	45.
13.2	41.1	4402.8	600.0	-1.1	-13.6	257.4	20.8	20.3	4.5	315.1	322 • 1	2.2	37.8	12.6	47.
14.4	43.9	4740.5	575.0	-4.4	-13.7	267.6	21.4	21.4	C. 9	315.1	322.3	2.3	48.1	13.B	51.
15.5	. 46.9	5089.2	550.0	-6.9	-12.9	277-1	21.5	21.4	-2.7	316.3	324.8	2.8	66.B	14.9	54.
16.8	49.9	5451.3	525.0	-9.2	-15-0	280.1	22.0	21.7	-3.9	317.7	324.8	2.3	62.6	16.2	59.
18.1	52.8	5027-1	.00.0	-12.1	-16.7	278.4	21.2	20.9	-3.1	318.6	325.1	2.1	68.0	17.5	52.
19.3	55.3	6218.1	475.0	-14.5	-18.8	274.4	20.6	20.6	-1.6	320.2	326.0	1.8	69.6	16.7	65.
20.4	59.1	€ 625 • 6	450.0	-17.5	-21.5	273.1	20.6	20.6	-1.1	321.3	326.3	1.5	70.9	20.0	67.
21.7	62.6	7051.6	425.0	-20.5	-24.7	270.0	20.2	20.2	-0.0	322.€	326.9	1.2	68.9	21.4	6 S.
22.9	65. 9	7497.8	400.0	-23.5	-27.5	263.8	24.7	24.5	2.7	324.5	327.9	1.0	69.1	23.0	76.
24.5	65.7	7966.4	375.0	-27.1	-31.6	264.9	25.8	25.7	2.3	325.7	328.2	0.7	65.6	25 • 2	71.
26.1	73.3	8459.3	350.0	-31.5	-37.4	265.9	25.1	25.0	1.8	326.2	327.8	0.4	55.6	27.7	73.
27.8	77.4	8979.6	325.0	-35.6	-41.2	260.2	20.7	20.4	3.5	327.6	328.7	0.3	56 <b>. 1</b>	30.0	73.
29.6	61.5	9531.1	300.0	-40.1	59.9	260.5	21.0	20.7	3.5	328. 8	999.9	99.9	999 <b>.9</b>	32.4	74.
31 • 4	€5.9	10117.7	275.0	-45.6	99.9	267.0	26.2	26.2	1.4	329.1	999•9	99.9	999•9	34.5	74.
33.7	9038	10745.2	250.0	-51.0	59.9	267.4	33.6	33.6	1.6	330.3	999.9	99.9	999.9	38.7	76.
36.2	95.7	1142624	225.0	-54.6	59.9	262.9	41.0	40.7	5. 1	334.9	999.9	99.9	999.9	44.5	77.
39.0	101.3	12172-2	200.0	-59.1	59.9	263.8	42.3	42-1	4.5	339.2	999.9	99.5	999.9	51.3	7.8.
42.1	107.3	13007.4	175.0	-59.6	99.9	262.7	34.6	34.3	4.4	351.6	999.9	99.9	999.9	58.3	79.
45.8	113.6	13974.9	150.0	-59.2	99.9	999.9	99.9	99.9	99.9	368.2	999.9	99.9	999.9	999.9	999.
50.1	121.3	15104.0	125.0	-62.9	99.9	271.8	25.4	25.4	-0.8	381.1	999.9	99.9	999.9	72.4	80.
55.3	129.7	16458.9	100.0	-69.2	99.9	272.0	20.4	20.4	-0.7	394.0	999.9	99.9	999.9	79.4	81.
61.7	139.0	18174.3	75.0	-68-1	99.9	264.6	7.8	7.8	0.7	430.2	999.9	99.9	999.9	85.4	82.
70.2	149.0	20643.0	50.0	-59.8	99.9	224.7	3.0	2.1	2 • 1	502.5	999.9	99.9	999.9	88.9	82.
87.1	160-0	25072-8	25.0	-49-4	90.9	275.4	741	7.1	+0.7	641.5	999.9	99.9	999.9	89.2	83.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG \* BY TEBF BEANS TEMPERATUPE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

#### 24 APRIL 1975 1115 GMT

147

39. 0

MX RTO TIME CNTCT **HEIGHT** PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T RH RANGE PCT MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG KM DG 0.0 3.7 5.0 1014.4 21.7 21.2 170.0 6.2 -1.1 6.1 295.8 336.8 15.9 97.0 0.0 G. 0.3 129.6 1000.0 21.0 20.2 179.3 11.2 -0.1 11.2 296.2 335.5 15.1 95.1 0.3 2. 4.7 0.9 6.3 349.6 975.0 20.5 19.7 181.1 10.4 0.2 10.4 257.8 330.9 15.0 95.2 0.6 1. 1.6 574.4 950.0 19.2 191.2 11.7 2.3 11.5 298.6 335.9 14.2 95.2 1.1 з. 8.2 18.4 2.6 10.1 803.6 925.0 16.7 10.2 208.7 12.5 6.0 10.9 297.5 320.9 8.7 67.8 1.7 6. 3.4 1038.0 900.0 18.8 216.2 12.4 7.3 10.0 301.7 317.7 5.7 37.5 2. 3 16. 11.8 4.0 20. 4.2 13.8 1279.3 875.0 17.0 8 . 1 213.0 12.2 6.6 10.2 302.5 323.9 7.8 55.6 2.9 4.2 5.1 15.7 1526.3 850.0 16.1 -1.5 205.3 11.0 4.7 9.9 303.6 315.5 31.0 3.4 21. 1779.0 211.5 304.3 4.0 6.0 17.8 825.0 14.3 -1.0 12.5 6.6 10.7 316.7 4.3 35.0 22. 4.9 6.9 19.8 2038.0 800.0 12,7 -2.7 207.1 16.2 7.4 14.4 305.2 316.5 3.9 34.0 23. 5.9 23. 7.9 21.8 2303.4 775.0 10.6 -6.2 205.3 17.2 7.3 15.5 305.6 314.7 3. 1 30.0 310.4 24. 8.8 24.0 2576.6 750.0 12.3 -42.4 213.5 17.4 9.6 14.5 310.0 0 . 1 1.0 6.8 9.7 26.0 2860.6 725.0 12.5 -32.7 222.6 17.8 12.0 13-1 313.2 314.4 0.3 2.7 7.7 26. 10.5 3153.6 700.0 -22.2 227.2 18.6 13.7 12.7 314.3 317.4 6.9 8.1 8.7 28. 28 4 10.6 675.0 13.0 11.9 315.6 319.5 1.2 11.6 9.8 31. 11.7 30.7 3455.2 -19.5 227.6 17.7 8.8 376E.7 650.0 -15.2 229.3 11.7 10.0 316.3 322.1 1.8 19.7 10.9 32. 12.9 33.2 6.3 15.4 35.5 625.0 317.8 323.2 1.7 19.9 11.9 34. 14.1 4086.0 4.5 -16.5 236.1 13.8 11.5 7.7 318.8 325.4 28.2 12.8 15.2 36. 0 4416.7 600.0 -14.4 241.0 11.0 5.3 2.1 36. 2.1 9.6 4758.4 575.0 327.2 44.1 13.3 37. 16.4 40.5 -1.3 -11.9 250.3 9.0 8.5 3.0 318.8 2.7 328.1 58.5 13.8 39. 17.6 43.1 5110.6 550.0 -11.4 256.2 10.0 9.7 319.1 2.9 -4.5 2.4 328.8 5474.7 525.0 10.0 3.2 B1.9 14.4 18.8 45.9 -8.3 -10.B 256.0 9.7 2.4 318.9 41. 20.1 48. 8 5851.8 500.0 -11-3 -15.8 254.9 11.1 10.7 2.9 319.5 326.6 2.2 69.4 15.1 42. 21 - 4 51.5 6243.1 475.0 -14.5 -18-1 261.3 9.7 9.6 1.5 320.2 326.4 1.9 74.3 15.8 44. 22.9 54.5 6650.8 450.0 -17.0 -28.0 254.7 13.2 12.8 3.5 321.9 324.8 0.8 37.8 16.5 46. 24.3 57.5 7077.9 425.0 -20-1 ~29.0 252.6 14.9 14.2 4.4 323.3 326 . 1 0.6 45.0 17.6 48. 25.7 60.7 7523.9 400.0 -23.8 -30.3 255.5 17.0 16.5 4.3 324.1 326.7 0.8 54.6 18.9 49. 20.4 27.3 7992.4 375.0 -27.4 -33.0 264.5 19.8 19.7 1.9 325.3 327.5 0.6 58.3 52. 64.1 22.4 29.0 67.6 8486.1 350.0 -30.4 -43.0 265.2 22.9 22.8 1.9 327.6 328.5 0.2 27.7 55. 71.2 9008.2 325.0 -34.7 -41.2 276.6 22.0 21.8 -2.5 328.8 330.0 0.3 51.1 24.3 58. 30.8 331.1 26.1 32.4 75.3 9561.7 300.0 -39.1 -44-4 272.7 26.5 26.5 -1.3 330.2 0.2 56.9 61. 34.4 75.6 10152.8 275.0 -43.5 99.9 271.0 34.4 34.4 -0.6 332.3 **999.9** 99.9 999.9 29.3 65 334.8 999.9 9999 999.9 33.6 68. 36.4 24.0 10787.0 250.0 -48.0 99.9 265.2 37.1 37.0 3.1 38.6 68-8 11473.1 225.0 -54.0 99.9 271.5 37.2 37.2 -0.9 335.7 99949 99.9 999.9 38.0 70. 41.1 94.2 12220.5 200.0 -59.0 99.9 277.7 36.3 36.0 -4.8 339.3 999.9 99.9 999.9 43.5 74. 43.9 55.8 1305C+9 175.0 -61.8 99.9 270.1 31.4 31.4 -0.0 347.9 999.9 99.9 999.9 48.8 76. 47.4 106.3 14005.7 150.0 99.9 265.5 32.9 32.8 2.6 365.4 999.9 99.9 . 999.9 54.6 77. -60.8 999.9 61.2 78. 51.2 114.0 15131.6 125.0 -64-1 99.9 263.2 22.1 21.9 2.6 378.9 999.9 99.9 999.9 56.1 122.7 16478.4 100.0 -70-0 99.9 261.4 20.9 20.6 3.1 392.6 99.9 999.9 68e 0 79. 99.9 999.9 73e 1 79. 430.8 999.9 62.4 133.0 18175.3 75.0 -67.8 99.7 258.4 10.8 10.6 2. 2 999.9 75.1 80. -1.9 501.5 999.9 99.9 70.9 143.7 20667.9 50.0 -60.3 99.9 43.9 2.7 -1.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99. 9 99.9 99.9 99.9 99.9 25.0 99.9

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE SETNEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 248 SHREVEPORT. LA

157

16.

POT T E POT T MX RTO RH PRES DEW PT DIR SPEED U COMP V CCMP RANGE ΑZ TIME CNTCT **HEIGHT** TEMP PCT M/SEC GM/KG KY DG MIN GP# MB DG C DG C DG M/SEC M/SEC DG K DG K 12.4 87.0 0.0 0. 0.0 4.4 79.0 1003.4 19.4 17.2 180.0 5.2 0.0 5. 2 293.9 326.1 0.1 4. 6 108.4 2 COO. 0 19.6 17.6 189.7 8.0 1.4 7.9 294.5 327.7 12.8 88.3 0.1 2. 327.3 975.0 19.2 17.9 196.0 13.1 3.6 12.6 296.3 331 . 2 13.4 92.2 0.5 11. 0.9 6.4 91.7 1.9 8.5 551.1 950.0 18.2 16.8 200.4 17.4 6.0 16.3 297.4 331.1 12.8 1.4 15. 925.0 209.9 19.8 9.9 17.1 299.0 329.3 11.4 81.8 2.5 15. 2.8 1 C . 5 780.2 17.7 14.6 17.6 302.2 326.3 57.5 3.8 12.5 1015.5 900.0 18.9 10.2 217-1 22.1 13.3 8.8 3.7 24. 1257.5 875.0 226.3 20.4 14.7 14.1 303.8 325.9 52.9 5.0 29. 4.8 14.7 18.3 8.4 8.0 14.5 304.9 327.0 55.7 33. 5.9 16.6 1505.6 850.¢ 16.8 7.9 228.3 21.7 16.2 8.0 6.2 319.3 305.1 38.5 7.5 7.0 1759.2 825.0 223.0 18.3 12.5 13.4 5.0 35. 18.9 15.0 1.0 2019.0 800.0 13.9 -1.4 236.7 20.2 16.9 11.1 306.5 319.0 4.3 34.8 8.7 37. 8.0 21.0 775.0 -12=0 252.4 17.8 17.0 309.1 315.2 2.0 15.3 9.9 41. 9.1 23.3 2286.6 14.0 5.4 25.5 10.1 2562.2 750.0 12.2 -7.7 261.5 13.4 13.2 2.0 310e3 319.1 2.9 24.8 10.6 44. 318.2 11.2 11.2 27. 8 2845.2 725.0 10.7 -11.7 275.7 10.8 10.7 -1.1 311.5 2.2 1964 47. 312.4 318.0 16.0 11.6 49. 12.3 30·3 3136.2 700.0 8.7 -14.3 280.1 11.3 11.1 -2.0 1.8 3435.6 675.0 11.4 1.3 313.2 316.7 1.1 11.8 12.1 52. 13.5 32.9 6.7 -21.0 263.5 11.3 14.5 35.4 3744.3 650.0 4.7 -24.3 260.4 12.9 12.7 2. 1 314.4 317.1 0.8 10.0 13.0 54. 16.0 38.0 4061.8 625.0 2.1 -26.9 263.1 15.6 15.5 1.9 314.9 317.2 0.7 9.5 13.9 56. -16.0 257.4 19.5 19.1 3.6 316.4 322.2 1.8 28.9 15.2 58. 17.3 40.5 4390.6 600.0 0.0 18.7 43.3 4729.2 575.0 -3.5 -14.5 257.4 18.6 18.2 4.1 316.2 323.0 2.2 42.0 16.8 69. 5078.7 550 .C -6.5 -16.6 255.6 20.3 19.6 5.0 316.5 322.5 1.9 44.5 18.4 62. 23.2 46.1 20.2 321.2 21.6 49.1 5440.2 525.0 -9.5 -21.8 252.2 20.9 19.9 6.4 317.1 1.3 36.0 63. 318.0 322.1 42.8 21.9 23.0 51.9 5815.0 500.0 -12.4 -22.5 251.9 20.6 19.6 6.4 1.3 63. 320.6 17.5 320.0 0.2 23.5 24.5 55.0 6204.8 475.0 -14.5 -43.2 254.4 18.2 4.9 6.6 54. 255.7 321.4 321.9 0.1 25.2 26.1 50.1 6612-1 450.0 -17.3 -47.6 19.3 18.7 4.8 5.1 65. 27.2 7037.6 425.0 265.1 21.4 322.7 323.0 0.1 27.7 61.4 -20.5 -49.5 21.4 1.8 5.4 660 20.6 29.2 29.5 64. 9 7483.5 400.0 -23.5 -51.2 260.5 20.3 3.4 324.4 324.7 0.1 5.7 67. 325.4 31.2 €8.3 7951.5 375.0 -27.5 -53.7 262.4 21.2 21.1 2.8 325.2 0.1 6.2 31.5 58. 326.1 33.2 71.8 8443.9 350.0 -31.6 -56.3 265.9 24.1 24.0 1.7 326.3 0.1 6.6 34.2 69. 35+1 8964.0 325.0 -36.0 -59.2 267.7 22.5 22.4 C. 9 327.0 327.2 0.0 7.1 36°6 71. 75.8 36.9 9514.8 300.0 328.6 999.9 999.9 80.0 -40.3 99.9 268.4 23.4 23.4 0.7 99.9 39.0 72. 999.9 999.9 38.8 10101.9 275.0 -45.2 269.2 27.3 27.3 329.8 99.9 41.7 73. E4.2 99.9 0.4 999.9 74. 999.9 40.B 88.6 10731.4 250.0 -50.0 99.9 263.9 30.2 30.1 3. 2 331.7 99.9 45.2 42.8 11413-1 225+0 99.9 263.2 27.1 27.0 3.2 334.8 999.9 99.9 999.9 48.6 75. 93. ó -54.6 271.0 336.6 999.9 999.9 76. 12158.4 -0.6 99.9 52.0 44.9 58.8 200.0 -59.5 99.9 34.9 34.9 272.4 104.5 350.3 999.9 99.9 999.9 77. 47.4 12991.5 175.0 -60.4 99.9 35.3 35.2 -1.5 57• 3 13953.0 264.9 368.8 999.9 99.9 999.9 62.7 760 50.3 111.0 150.0 99.9 30.6 30.5 2.7 -58.8 79. 15085.2 265.4 33.2 33.1 361.8 999.9 99.9 999.9 67.9 53.2 118.0 125.0 -62.5 99.9 2.7 126.3 16444.6 100.0 99.9 262.9 25.0 24 48 396.1 999.9 99.9 999.9 73.5 79. 56.9 +68.2 3.1 62.5 136.0 18168.8 75.0 -66.5 99.9 267.9 15.9 15.9 0.6 433.6 999.9 99.9 999.9 78.5 79. 70.9 145.7 20666.2 50.0 -58.0 99.9 250.6 7.2 6.8 2.4 506.8 999.9 99.9 999.9 82.5 80. 84.7 156.3 25139.1 25.0 -50.9 99.9 286.6 5.2 4.9 -1.6 638.9 999.9 99.9 999.9 82.9 82.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 255 VICTORIA, TEX

#### 24 APRIL 1975 1115 GMT

166

14.

AZ TIME CNTCT HE I GHT PRES TEMP CEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE DG K GM/KG PCT UG MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K ΚM 0.0 298.6 340.4 16.0 85.0 0. 0.0 4.1 33.0 1007.3 23.9 21.2 170.0 6.7 -1.2 6.6 999.9 999. 341.8 90.1 1000.0 23.3 21.6 999.9 99.9 99.9 99.9 298.7 16.5 0.2 4.7 96.9 299.3 342.1 95.7 999. 9 999. 99.9 99.9 16.4 1.0 6.5 318.4 975.0 21.8 21.0 999.9 99.9 339.0 95.4 1.4 349. 178.6 299.5 15.0 544.2 950.0 20.0 19.3 16.4 -0.4 16.4 1.8 E . 6 2.1 355. 2.2 19.5 300.6 324.9 9.0 58.0 925.0 186.5 19.6 2.6 10.6 774.6 19.6 10.8 304.5 320.2 30.B 3.1 359. 20.5 5.5 3.3 12.8 1011.2 900.0 21.6 3.6 185.2 20.6 1.8 875.0 22.5 305.7 325.4 7.0 41.5 4.2 360. 4.2 15.0 1254.8 20.1 6.7 181.9 22.5 0.7 305.9 181.6 22.2 322.2 5.7 37.0 5.3 C. 4.9 17.1 1503.9 850.0 18-1 3.2 22.2 0.6 306.5 320.9 5.0 35.5 6.4 0. 19.5 1758.8 825.0 16.3 1.0 182.2 19.8 0.8 19.8 5.9 21.5 2019.6 800.0 15.4 -17.4 190.0 20.1 3.5 19.8 307.8 313.4 1.8 13.9 7.5 1. 6.8 24.0 2288.6 775.0 16.8 -39.7 200.8 17.8 6.3 16.7 311.5 312.4 0.2 1. C E. 4 3. 7.5 26.2 2566.8 750.0 15.7 -40.3 204.6 13.9 5.8 12.7 313.7 314.2 0.1 1.0 9.2 5. 8.5 2853.4 725.0 -40.8 207.1 10.9 9.7 315.8 316.3 0.1 1.0 9.8 6. 28.7 14.9 4.9 9.4 7. 10.3 31.3 3148.6 700.0 13.0 -41.9 225.4 . 7.8 5.6 5.5 316.9 317.4 0.1 1.0 10.3 675.0 -43.3 244.0 2.6 317.6 318.2 0.1 1.0 10.5 9. 11.3 33.9 3452.3 10.8 6.0 322.6 10.7 3764.9 650.0 -19.5 252.4 5.3 1.7 318.4 1.3 12.4 11. 12.4 36.3 8.2 5 . 6 625.0 -13.1 244.4 7.6 6.8 3.3 318.6 325.7 2.2 25.3 10.9 1.3. 13.4 39.1 4086.7 5.1 319.0 326.5 2.4 31.7 11.3 15. 14.5 4418.3 600.0 -12.9 242.6 8.3 7.4 3.8 41.7 2.2 11.7 318.6 326.2 2.4 4007 17. 15.6 4759.7 575.0 -1.5 -13.1 249.9 8.6 8.0 2.9 44.6 12.0 1. 2 319.0 323.6 1.4 28.1 19. 16.5 47.6 5111.9 550.0 -4.4 -20.1 263.4 10.2 10.1 319.9 324.3 1.3 31,7 12.3 274.2 12.7 -0.9 23. 18.0 50.5 5476.5 525.0 -7.2 -21.1 12.7 323,2 9.7 19.4 E3.6 5854.7 500.0 -10.0 -31.5 269.4 13.1 13.1 0.1 320.9 16.9 12.6 28. 0.7 14.3 2.4 323.1 325.6 23.3 13.2 31. 20.6 56.6 6248.7 475.0 -12-1 -28.8 26005 14.5 6659.3 -15.7 -32.5 256.3 15.8 15.4 3.8 323.6 325.5 0.5 21.8 14.1 35. 21.9 60.0 450.0 -35.9 255.3 15.7 4-1 324.9 326.4 6.4 20.7 15.2 30. 7088.1 425.0 -18.8 16.3 23.3 63.4 20.0 2.3 320.5 327.1 0.2 9.4 16.3 41. 24.7 7536+4 400.0 -21.9 -49.7 263.4 20.2 66.8 375.0 329.3 23.6 17.8 47. 26.3 7C.5 8008.9 -25.2 -40-0 273.5 24.1 24.0 -1.5 328.2 0.3 330.3 331.3 0.3 24.9 19.6 52. 27.9 -28.5 -42.3 275.0 28.6 28.5 -2.5 74.3 8506.2 350.0 332.2 332.7 0.1 18.3 22.0 57. 27.5 78.3 9033.7 325.0 -32.2 -48.3 271.6 31.1 31,1 -0.9 31.4 9593.3 30C.O -36.8 -50.6 271.9 32.8 32.8 -1.1 333.4 333.9 0.1 22.2 25.1 62. 82.5 275.0 99.9 334.5 999.9 99.9 999.9 28.5 33.5 86.8 10189.1 -41.9 269.3 29.4 29.4 0.4 66. 10827.5 267.9 29.9 29.9 1.1 335.9 999.9 99.9 999.9 32.0 68. 35.5 91.6 250.0 -4702 99.9 225.0 336.6 999.9 99.9 999.9 35.7 70. 37.8 96.8 11515.1 -53.4 99.9 267.8 30.5 30.5 1.2 40-2 102.2 12263.0 200.0 -99-2 99.9 286.1 36.7 35.3 -10.2 339.0 999.9 99.9 999.9 39.7 73. 43-0 108.3 13089.9 175.0 -64.3 99.9 293.9 41.5 38.0 -16.8 343.9 999.9 99.9 999.9 45.5 78. 45.8 115.0 14032.9 150.0 -65.0 99.9 261.6 31.7 31.4 4.6 358.1 999.9 99.9 999.9 50.5 81. 271.0 21.1 -0.4 376.1 999.9 99.9 999.9 57.3 81. 49.3 122.3 15149.7 125.0 -65.6 99.9 21.1 53.3 131.0 16489.2 100.0 -71.3 99.9 254.7 23.3 22.5 6.1 390.0 999.9 99.9 999.9 62.5 81. 75.0 -67.5 228.7 11.6 8.7 7.6 431.4 999.9 99.9 999.9 67.2 80. 59.5 141.0 18189.0 99.9 67.2 151.7 20632.6 50.0 -57.6 99.9 317.9 4.1 2.8 -3.1 507.e 999.9 99.9 999.9 69.8 81. 90.7 -6.4 0.1 639.7 999.9 99.9 999.9 66.7 82. 79.4 164.0 25104e0 25.0 -50.4 99.9. 6.4

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

P BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260 STEPHENVILLE. TEX

157 17. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		G₽₩	MB	EG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	9.9	399.0	963•8	19.0	17.3	180.0	6.2	0.0	6.2	297.1	332.4	13.5	93.0	0.0	C.
99.9	59.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	59.5	99.9	975.0	99.9	99.9	59.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999• 9	999.
0.3	11.0	523.5	950.0	19.5	18.3	189.9	14.3	2.5	14.1	298.9	336.0	14.1	92.7	0.4	2.
1.1	13.5	753.9	925.0	18.7	17.6	193.5	21.0	4.9	20.5	300.3	337.1	13.9	93.6	1.9	7.
1.8	15.8	989.8	900.0	20.8	9.9	201.2	23.8	8.6	22.2	304.2	328.0	8.6	51.1	2.0	12.
2.8	18.2	1233.9	875.0	21.2	9.2	207.6	17.7	8.2	15.7	306.9	330.4	<b>6• 4</b>	46.4	3. 2	17.
3.7	20.7	1484.7	850.0	20.1	7.9	219.8	14-4	9.2	11.1	308.3	330.6	7• <del>9</del>	45.3	4. Ú	20.
4.5	23.2	1741.8	825.0	19.4	-0.2	232.6	9.9	7.9	€.0	309.7	323.2	4.6	26.7	4.6	24.
5.5	25.7	2005.4	800.0	17.4	-2.0	226.5	9•3.	6.8	6 • 4	310.3	322.5	4.2	26.6	5. 1	26.
6.4	- 28.3	2275.3	775.0	15.1	-0.0	224.8	9.0	6.3	6.4	310.7	325.2	4.9	35∙5	5. 6	26.
7.3	-31.0	2551.9	750.0	13.4	0.2	251.1	6.0	7•6	2.6	311.8	347.1	5• 2	40.4	5. 9	30.
8.1	33.8	2836.3	725.0	11.7	-9.5	262.0	8.5	8.4	1.2	312.6	320.5	2.6	21.6	ۥ 2	33.
9.1	36.4	3128.4	700.0	10.2	-43.7	252.9	9.6	9.1	2.8	313.8	314.2	0.1	1.0	6. 5	37.
10.0	39.3	3429.5	675.0	8.8	-44.5	239.4	12.1	10.4	6.1	315.5	31.5 • 8	0 • 1	1.0	7• 1	39.
31.0	42.0	3739.7	650.0	6.1	-46.2	238.3	12.6	10.7	6.6	315.8	316.2	0 • 1	1.0	7. 7	40.
11.9	45.0	4058.7	625.0	3.0	-48.1	240.4	14.1	12.2	6.9	315.9	316.2	0.1	1.0	8• 5	42.
12.9	48.0	4387.6	600.0	0.4	-49.7	245.5	16.4	14.9	6.8	316.5	316.8	0 • 1	1.0	9. 3	44.
14.0	50.9	4726.7	575.0	-2.8	-46.8	249.2	17.1	16.0	6.1	316.7	317.1	0 • 1	1.8	1 C • 4	46.
15-1	54-1	5076.5	550.0	-6.2	-34.8	248.4	18.5	17.2	6.8	316.7	317.9	0 • 4	8.2	11.4	45.
16.3	£7.3	5438.0	525.0	-9.8	-33-1	255.8	18.9	18.4	4.6	316.7	318.2	0.4	12.7	12.7	51.
17.5	60.6	5812.3	500.0	-12.8	-44.7	25%-1	19.6	18.9	5.9	317.4	- 317.9	0 • 1	4.9	14.0	54.
18.8	64.0	6201.0	475.0	-16.1	-57.5	252.7	19.8	18.9	5.9	318.0	318.1	0.0	1.6	15.4	55.
20.3	67.3	660R+1	450.0	-16.4	-60.3	260.4	18.9	18.6	3. 2	322.6	322.7	0.0	1.0	17-1	58•
21.7	70,8	7034.8	425.0	-20.3	-62.8	259.0	20.0	19.7	3∙8	322.9	323.0	0.0	1.0	18.5	59.
23.3	74.5	7480.2	400.0	-24.3	-65.4	265.0	20.7	20.6	1.8	323.4	323.4	0.0	1.0	20.3	<b>51.</b>
24.7	78.3	7947.0	375.0	-28.1	-67.9	265.0	23.1	23.0	2.0	324.3	324.4	0.0	1.0	22.1	64.
26.5	82.2	8438.6	35C.0	-31.6	-70.2	266.3	26.8	26.7	1.7	326.1	326.1	0.0	1.0	24.8	66.
28.3	£6.2	8958.1	325.0	-35.9	-73.0	266.3	28.5	28.5	1.9	327.2	327.2	0.0	1.0	27. 3	68.
30.1	90. ó	9509.3	300.0	-40.3	99•9	262.6	30.7	30.4	4.0	328.5	999.9	99.9	999.9	30.3	70.
32 • 1	95.2	10096.4	275.0	-45.4	99.9	265.6	32.2	32.1	2•5	329.5	999.9	99.9	999.9	34.2	71.
34.4	99.8	10725.8	250.0	-50.0	99•9	266.7	33.7	33.7	2.0	331.7	999•9	99.9	999•9	38. 7	73.
37.0	104.8	11407.4	225.0	-54.4	99.9	266.9	38.0	37.9	2.0	335.1	999•9	99.9	999.9	44.1	75.
39.9	110.4	12153.5	200.0	-59.1	99.9	270.0	44.8	44.8	0.0	339.3	999•9	99.9	999.9	51.1	76.
43.0	116-3	12983.2	175.0	-62.3	99.9	275.5	40.6	40.4	-3.9	347.1	999•9	99.9	999.9	59. 8	79.
46.5	122.8	13936.2	150.0	-61.7	99.9	253.8	38.4	36.9	10.7	363.8	999.9	99.9	999.9	57.3	80.
51.2	130.0	15066.9	125.0	-60-0	99.9	. 267.3	31.7	31.7	1.5	386.3	999.9	99.9	999.9	77.9	80.
55.5	137.3	16445.8	100.0	-67.7	99.9	238•5	17.2	14.7	9.0	396.9	999.9	99.9	999.9	81. 2	79•
61.3	145.0	18166-9	75.0	-69.2	99.9	256.7	14.8	14.4	3.4	427.8	999.9	99.9	999.9	88. 8	78.
70.0	153.3	2067C.8	50.0	-58.4	99.9	2.3	5.1	-0.2	-5.1	506.0	999.9	99.9	999.9	91.8	79.
83.3	162.3	25124.0	25.0	-51-1	99.9.	345.3	4.5	1.1	-4.4	638.0	999.9	99.9	999•9	93. 3	8C.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10, DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 261 DEL RIO, TEX

#### APRIL 1975 1115 GMT

159 27. 0 CNTCT HE I GHT PRES TEMP DEW PT \_\_\_\_\_\_\_ DIR SPEED U CCMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME GPM MB DG C DG. C CG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN 18.7 € -4.9 314.0 971.4 21.7 110.0 299.2 336.5 14.1 83.0 0.0 0. 0.0 ... 5.2 1.5 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 599.9 0 · 8 10.7 50E.0 950.0 20.6 19.1 136.6 11.8 -6.1 8.6 300.1 339.2 14.8 91.3 0.4 308. 1.6 13.1 738.8 925.0 .19.4 18.7 158.1 12.3 -4.6 11.4 301.1 340.5 14.9 95.8 1.0 319. 15.5 975.0 900.0 17.7 17.1 174.3 13.0 -1.3 12.9 301.6 338.4 13.8 95.9 1.6 330. 2.5 337.3 2.2 340 3.4 18.0 1217.3 875.0 19.6 13.4 192.7 11.8 2.6 11.5 305.7 11.5 69.5 2.8 340. 20.5 1467.5 850.0 19.9 10.0 185.0 13.1 1.1 13.1 300.3 335.3 9. 7. 56.0 4.2 23.0 1725.4 825.0 20.3 8.9 178.5 11.7 -0.3 11.7 311.2 336.1 8.7 48.0 3.4 350. 5.2 177.0 -0.7 330.0 32.2 4.2 350. 6.2 25.5 1991-0 800.0 19.8 2.4 12.8 12.8 313.0 5.8 7.3 28.2 2264.0 775.0 19.3 -5.9 180.5 12.3 0.1 12.3 315.0 324.8 3.2 17.8 5.1 352. 2544.8 750.0 203.2 330.9 4.9 29.1 5.7 354. 8.3 31.0 17.5 -0.6 10.4 4.1 9.5 310.2 7.6 7.2 317.1 23.2 6. 2 3584 9.4 33.8 2833.3 725.0 15.7 -5.3 226.6 10.5 328.1 3.6 18.4 10.5 36.3 3129.6 700.0 13.3 -10.2 241.6 11.0 9.7 5.2 317.6 325.5 2.5 6.6 15.0 6.9 11.6 39.2 3433.7 675.0 10.8 -14.8 249.4 11.4 10.7 4.0 317.9 323.7 1.8 9. 12.6 41.9 3746+4 650.0 8.1 -15.2 250.3 11.4 10.7 3.8 318.4 324.2 1.8 17.4 7.3 13. 13.9 44.9 4067.7 £25.0 4.9 -14.7 247.6 11.1 10.2 4.2 310.3 324.6 2.0 22.5 7.9 19. 48.0 4398.8 2.2 -14.2 247.4 11.3 10.4 4.3 318.9 325.6 2.1 28.4 8.5 23. 15.2 600.0 51.0 11.4 32.2 9.0 27. 15.3 4740-1 575.0 -1.7 -16.1 246.0 10.4 4.6 316.2 324.2 1.9 37.3 29. 5091.8 -17.2 243.2 13.6 12.2 318.5 324.3 1.8 9.6 17.4 E4. 1 550.0 -4.9 6. 1 57.3 5456.3 -7.3 -18.4 319.8 325.3 1.7 40.7 10.5 33. 19.5 525.0 252.5 16.2 15.5 4.9 37. 60.6 5834.0 17.2 3.8 319.8 324.9 47.5 11.5 19.8 500.0 -11.0 -19.9 257.3 16.8 1.6 6225.1 -14.3 320.4 322.6 0.7 27.4 12.5 41. 475.0 -29.0 257.0 15.6 3.6 21.1 64.0 16.1 67.5 13.3 12.8 3.6 324.3 324.7 0.1 3.9 13.7 45. 22.8 6635.7 450.0 -15.0 -48.5 254.3 3.0 14.8 47. 24.2 70.9 7065.2 425.0 -18.0 -52.6 254.7 13.6 13.4 3.6 325.8 326.1 0.1 7514.7 -22.0 -50.5 261.2 15.3 15.2 2.3 326.3 326.7 0.1 5.5 16.0 50. 26.0 74.7 400.0 375.0 -25.5 -36.4 19.7 19.6 2. 3 327.€ 329.4 0.4 35.1 17.5 53. 27.7 78.7 7986.4 263.4 329.4 330.3 0.2 26.0 19.6 57. 29.5 e2. 6 8483.6 350.0 -29.2 -43.0 268.0 26.5 26.5 0.9 22.5 510 -38.2 267.3 1.5 330.3 331.8 0.4 63.2 31.3 86.6 9005.0 325.0 -33.6 30.4 30.4 26.2 332.1 333.2 0.3 61.0 65 33.4 91.2 9565.3 300.0 -37.8 -42.5 269.1 33.4 33.4 0.5 333.5 999.9 99.9 999.9 3C • 4 66 3.7 35.7 95.7 10159.2 275.0 -42.6 99.9 263.7 33.7 33.5 999.9 99.9 999.9 34.9 7C. 33.3 335.4 38.1 100.5 10756.2 250.0 -47.5 99.9 261.0 33.7 5.3 72 39.6 336.9 999.9 99.9 999.9 40.1 11483.1 -5303 268.2 38.7 1.2 40.5 105.6 225.0 99.9 999.9 74. 40.7 337.6 999.9 99. 9 46. 1 111.2 12229.9 200.0 99.9 270.3 40.7 -0.2 43.3 -60.1 999.9 99.9 999.9 53.4 77. 50.4 -4.2 341.0 46.3 117.0 13051.9 175.0 -66.0 99.9 274.8 50.6 39.9 99.9 999.9 62.0 80. 49.5 122.9 13985.9 150.0 -65.8 99.9 264.3 40.1 4.0 356.7 999.9 99.9 999.9 69.4 79. 53.5 131.0 15100.3 125.0 -65.8 99.9 261.6 33.9 33.6 5.0 375.8 999.9 138.7 16450.3 100.0 99.9 255.2 17.6 17.0 4.5 394.2 999.9 99.9 999.9 76.2 8C. 58.3 -69.1 147.0 18147.7 75.0 -70.9 99.9 235.2 18.0 14.8 10.3 424.3 999.9 99.9 999.9 81. 6 79 64.2 59.9 24.3 -1.7 -3.7 505.5 999.9 99.9 999.9 85.4 76. 72.4 156.5 20629.7 50.0 -58.6 4.0 99.9 99.9 999.9 99.9 999.9 999.9 999.

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265 MICLAND. TEX

155 14. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	PANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KA	DG	
				55 5								•				
0.0	11.8	873.0	910.6	13.9	10.5	300.0	2.1	1.8	-1.0	296.0	319.5	8.8	80.0	G. 0	.0.	,
99.9	59.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	995.	,
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	,
99.9	59.5	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	,
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	97.9	999.9	99.9	999.9	999. 9	999.	,
0.4	12.7	973.7	900-0	19.2	16.0	999.9	99.9	99.9	55.9	303.0	337.5	12.8	81.8	995.9	999.	ļ
1.3	14.9	1217.7	875.0	20.5	14.5	999.9	99.9	99.9	59·9	306.8	339.7	12.0	68.3	999.9	995.	,
2.2	16.9	1468-2	850.0	18.8	13.2	213.2	6.7	3.7	5.6	307.4	338.7	11.3	76.0	0.7	35.	,
3.1	19.2	1724.7	825.0	17.7	11.5	239.9	7.1	6.1	3 o 5	308.7	337.9	10.5	67.1	1 - 1	38.	,
4.0	21.3	1987.6	600.0	15.9	9.8	247.5	6.6	6.1	2.5	309e4	336.3	9.6	67.2	1.4	45.	
4.9	23.6	2257.0	775.0	13.9	7.6	251.7	6.1	5.8	1.9	309.9	334.0	8.5	65.7	1.7		
5. 9	.25.8	2532.5	750.0	11.9	-8•0	253.2	5.5	5 · 3	1.6	309.9	319.4	3.2	27.0	2.1	54.	
6.9	26.2	2815.7	725.0	10.6	-7.3	250.8	7.0	6.7	2.3	311.5	320.8	3.1	26.1	2.4	56.	,
. 7.9	30 <u>•</u> 7	3107.8	700.0	10.1	⇔13•1	249.8	10.4	9.8	3.6	314.0	320.2	2.0	18.0	2.9	55.	
9.0	33.3	3408.4	675.0	7.2	-15.4	250.3	12.7	11.9	4.3	313.9	319.3	1.7	16.2	3.7	62.	,
10.1	35.8	3717.4	650.0	5.3	-16.9	239.4	15.8	13.6	8.1	315.1	320.1	1.6	18.3	4.6	62.	
11.4	38.4	4036.3	625.0	3.1	-18.5	232.2	20.1	15.9	12. 3	316.2	320•8	1.4	18.7	6.0	51.	
12.6	40.9	4365.3	600.0	0.4	-20.2	231-1	22.6	17.6	14.2	316.7	320.8	1.3	19.4	7 • 5	59.	
13.9	43.8	4705-1	575 • 0	-1.7	-26.1	229.4	22.1	16.8	14.3	318.1	320.7	0 • B	13.3	9.4	57.	
15.3	46.7	5056.7	550.0	-4.8	-28.4	235.0	22.0	18.0	12.6	318.5	320 · 8	0.7	13.6	11.1	56.	
,16.5	45.7	5420.4	525.0	-7.9	-30.7	239.9	20.9	18.1	10.5	319.0	320.9	0.6	13.9	12.7	50.	
17.8	£2.5	5798.0	500.0	-10.2	-32.4	244.1	16.4	14.7	7•1	320.7	322 • 4	0 • 5	14.1	14.1	57.	
19.1	55.6	61 90 • 8	475.0	-13-3	-34.8	248.5	17.7	16.4	ۥ5	321.5	323.0	0.4	14.4	15.4	59.	
20 • 5	58.9	6599.4	450.0	-17-1	-37.6	252.0	17.0	16.2	5.3	321 <b>.</b> 8	322.9	0.3	14.7	16. 9	59.	,
22.0	62.3	7025.1	425.0	-20-8	-39-2	252.7	19.5	18.7	5.8	322.3	323.4	0.3	17.1	18.4	ō0•	
23.6	65.5	7470.2	400.0	-24.3	-42.9	250.2	20.3	19.1	6.9	323.3	324 - 1	0 • 2	15.9	20.3		
25.3	69.4	7937.2	375.0	-28.0	-45.8	254.4	24.3	23.4	6.5	324.4	325.0	0.2	16.2	22.5		
27.1	73.1	8429.0	350.0	-31.9	-48.8	258.8	24.6	24.2	4.6	325.7	326.2	0.1	16.6	24.9		
28.9	77.2	8948.5	325.0	-35.8	-52.0	256.9	27.6	26.9	6.3	327.3	327.7	0.1	16.9	27. 5		
30.9	81.3	9499.2	300.0	-40.6	99 <b>.</b> 9	257.1	32.5	31.7	7.3	328.2	999.9	99.9	999.9	31.4	56.	
32.9	85.7	10086.2	275.C	-44.8	99.9	265.5	34+3	34.2	2.7	330.4	999.9	99.9	999.9	35.3		
35.3	90• 6	10717.4	250.0	-49.5	99.9	265.6	41.3	41.2	3.2	332.4	999.9	99.9	999.9	40.2		
37.9	95.8	11400.4	225.0	-54.4	99 <b>.</b> 9	269.7	45.4	45.4	0 • 2	335.1	999.9	99.9	999.9	46.9		
40.5	101.0	12144.1	200.0	-60.6	99.9	271.8	46.1	46.1	-1.4	336.9	999.9	99.9	999.9	54.2		
43.5	107.5	12968.9	175.0	-63·4	99.9	272.0	50.3	50.3	-1.7	345.4	993.9	99.9	999.9	62.5		
46.9	114.3	13919.8	150.0	-61.7	99.9	260.4	32.7*	32.2	5.4	363.8	999.9	99.9	999.9	70.3		
51.1	122.0	15043.3	125.0	-65.0	99.9	247.8	32.8*	30.3	12.4	377.3	999.9	99.9	999. 9	79.0		
56 • 2	130.7	16398.8	100.0	-66.7	99.9	259.6	19.1*	18.8	3 • 5	398.9	999.9	99.9	999.9	88.8		
62.3	140.0	18131.2	75.0	~68e8	99.9	251.6	6.2*	5.9	2.0	426.6	999.9	99.9	999.9	94. 8		
71.9	150.3	20635.7	, 50 • 0	-57.3	99.9	261.1	5.9	5.8	0.9	500.5	999.9	99.9	999.9	98. 1	78.	
£5.8	160.7	25098.4	25.0	-51.0	99.9	266.0	5.4	5.4	0.4	638.6	999.9	99•9	999.9	100.4	76.	r'

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 304 HATTERAS. NO.

### 24 APRIL 1975 1115 GMT

157 21. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM .	DG	
0.0	3.9	4.0	1023.7	19.8	13.7	220.0	6+2	4.0	4.7	292.3	317.6	9.7	68.0	-0.0	0.	
0.7	5.8	206.3	1000.0	19.8	10.9	213.1	15.4	8.4	12.9	294.1	315.9	8.2	56.6	0.7	32.	
1.4	8.0	423.7	975.0	. 17.6	9.3	212.6	1,7.5	9.5	14.5	293.9	314.0	7.6	58• <u>2</u>	1. 3	3.30	
2.2	10.2	645.3	950.0	15.5	8.5	209.9	16.2	8.1	14.0	293.9	313.5	7.4	62.7	2, 2	32.	
2.9	12.4	871.0	925.0	13.3	8.3	212.3	17.2	9.2	14.6	293.9	313.8	7 • 5	71.8	2. 9	32.	
. 3.6	14.8	1101.0	900.0	11.3	7.9	214.9	16.3	9.3	13.4	294.2	314.0	7.4	79.3	3, 6	32.	
4.3	16.9	1336.0	875.0	9.4	7.1	216.5	16.2	9.6	13.0	294.5	313.9	7 <b>.</b> 3	85.2	4.2	32.	
5.1	19.4	1576.3	850.0	8.2	0.1	224.1	14.3	10.0	10.3	295.3	307.9	4.6	56.9	5. 0	33.	
6.0	21.6	1822.6	825.0	7.8	-6.2	240.3	14.2	12.4	7.0	297.3	305.6	2.9	36.3	5.7	36.	
. 6.8	24.2	2075.7	800.0	6.1	-8.9	257.6	12.9	12.6	2• 8	298.0	305.1	2.4	33.1	6.2	39.	
7.6	26.5	2335.2	775.0	4 • 8	-9.7	264.0	12.7	12.6	1.3	299.3	306.2	2.4	34.1	6.7	43.	
8.5	29.1	2602.0	750.0	3.6	-3.5	264.8	12.3,	12.2	1.1	301.0	312.2	3.9	59.7	7.2	47.	
9.4	31.8	2876.6	725.0	1.7	-5.4	266.0	11.8	11.8	0.8	301.7	311.9	3.5	59.4	<b>7.</b> 8	50.	
10.2	34.4	3159.1	700.0	0.5	0.5	285.1	11.6	11.2	-3.0	303.8	319.9	5.7	100.7	8.2	52.	
11.2	37.0	3450.6	675.0	-1.3	-1.3	302.2	13.1	11.1	-7.0	304.9	319.7	5.2	104.1	8.5	57.	
12.1	35.8	3751.3	650.0	-2.9	-3.7	298.4	12.7	11.2	-6.0	306.3	319.2	4.5	95.0	8. 6	61.	
13.1	42.5	4061.5	625.0	-4.8	-6.3	289.5	11.6	11.0	-3.9	307.5	318.7	3.8	89.0	9. 3	64.	
14.2	45.4	4381.9	600.0	-6.9	-6.9	285.7	10.5	10.1	-2.8	308.5	319.7	3.8	101.8	9.9	67.	
15.3	48.4	4714.0	575.0	-7.4	-11.0	288.6	11.0	10.4	~3 <sub>e</sub> 5	311.7	320.5	2.9	75.5	10.4	70.	
16.3	51.3	5059.2	550.0	-9,2	-16.6	292.8	13.0	11.9	-5.0	313.4	319.3	1.9	54.5	10.9	72.	
17.4	54.5	5417.9	525.0	-11.3	-18.4	292.1	15.8	14.7	-6.0	315.0	320.4	1.7	55.6	11.7	75.	
18.5	57.4	5790.8	500.0	-13.7	-18.5	289.3	16.6	15.7	-5.5	310.5	322.2	1.8	66.9	12.6	78.	
19.7	60.7	6179.1	475.0	-16.3	-20.6	285-1	16.8	16.2	-4.4	317.9	323.0	1.6	69•2	13.6	81.	
21.0	€4.3	6583.9	450.0	-19-4	-23.5	279.0	19.5	19.3	-3.1	J19.0	323.1	1.3	69.6	14.9	82.	
22.3	67-6	7006.3	425.0	-22.7	-27.1	275.9	18.0	17.9	-1.9	320.0	323.2	1.0	66.9	16.4	84.	
23. 7	71.0	7447.9	400.0	-26.3	-31.2	277.6	21.0	20.8	-2.8	320.9	323.2	0.7	62.5	17.9	86.	
25.0	74.8	7911.0	375.0	-29.5	99.9	290.7	18.3	17.1	-6.5	322.5	999.9	99.9	999.9	19.5	86.	
26.3	78.8	8400.2	350.0	-33.2	99.9	295.6	19.0	16.5	-9.4	324.0	999.9	99.9	999.9	20.7	56.	
27.8	e 2 • 7	8917+1	325.0	-36.9	99.9	299.6	21.0	18.2	-10.4	325.9	999.9	99.9	999.9	22. 3	91.	
29.3	86.8	9464.8	300.0	-41.6	99.9	298.0	23.3	20.ó	-11.0	326.7	999.9	99.9	999 <b>.</b> 9	24. C	93.	
31.0	91.4	10049.6	275.0	-45.8	99.9	299.7	24.3	21.1	-12.0	326.8	999.9	99.9	999.9	26.2	95.	
32.7	Se. 0	13678.3	250.0	-50.6	99.9	298.6	28.1	24.7	-13.4	330.9	999.9	99.9	999•9	28. 8	97.	
34.7	101.3	11356.9	225.0	-56.0	99.9	301.1	27.0	23.6	-14.3	332.7	999.9	99.9	999.9		100.	
36.7	106.4	12098.4	200.0	-60.5	99.9	307.0	23.2	18.5	-14.0	337.0	999.9	99.9	999.9		102.	
38.7	112.0	12922.0	175.0	-63.2	99.9	308∙8	32.0	24.9	-20.0	345.6	999.9	99.9	999.9		104.	
41.2	118.3	13873.8	150.0	-61.3	59.9	291.9	35.0	32.4	-13.0	364.6	999.9	99.9	999.9	42.1		
44.5	125.3	1500.2.1	125.0	-58.6	99.9	293•2	37.3	34.3	-14.7	389.0	999.9	99.9	999.9		197.	
48.3	133.0	16409.7	100.0	-62.3	99.9	3.1	9.2	-0.5	-9.2	407.3	999.9	99.9	999.9		107.	
52.6	140.7	18157.8	75.0	-66.3	99.9	302.9	14.9	12.5	-8.1	434.0	999.9	99.9	999.9		109.	
59.0	149.0	20671-1	50.0	-58.8	99.9	348.9	11.1	2. î	-1C.9	504.9	999.9	99.9	999.9	62. 1		
67.8	157.3	25123.0	. 25.0	-50.6	99.9	75.3	6.3	-6.i	-1.6	639.7	99939	99.9	999.9	62• 0	1120	

\* EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. ATHENS. GA

24 APRIL 1115 GMT 1975

149 32. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFW	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	D.G	
0.0	6.6	246.0	992.2	14.1	12.7	200.0	2.6	0.9	2.4	289-1	313.1	9.3	91.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.5	8.2	394.2	975.0	15.1	13.3	203.0	14.8	5.8	13.6	291.6	317.3	9.9	89.2	0.3	17.	
1.2	10.5	615.0	950.0	15.4	11.8	212.9	16.3	8.9	13.7	294.1	318.3	9.2	78.7	1.0	23.	
2.0	12.6	841.3	925.0	14.5	8.4	222.7	13.4	9.1	9.8	295.1	315.3	7.5	67.1	1.7	30.	
2.8	15. 9	1072-4	900.0	12.9	8.6	229.3	13.8	10.4	9.0	295.8	316.9	7.9	75.5	2. 3	35.	
3.7	17-3	1309.4	875-0	11.3	8.8	228.2	13.6	10.1	9.1	296.6	318.5	8.2	84.5	3.0	36.	
4.5	19.8	1551.2	850.0	9-1	7.9	231.4	16.4	12.8	10.2	296.7	318.0	7.9	92.4	3. 7	40.	
5.3	22.0	1798.9	825.0	7.8	6.8	236.6	17.2	14.4	9.5	297.9	. 318.3	7.6	93.3	4.5	43.	
6.2	24.6	2052.5	800.0	10-1	-15.6	239.7	14.5	12.5	7.3	302.1	306.6	1.5	15.2	5.3	45.	
7.0	27.0	2315.5	775.0	8 • 5	~6+8	241.0	10.3	9.0	5.0	303.4	312.0	3.0	32.8	6.0	46.	
8-1	29.6	2585.5	750.0	5.5	-0.1	241.0	9.5	8.3	4.6	303.2	317.6	5.1	67.2	6. 5	48.	
9. 1	32.2	2862.3	725.0	3.7	-4.0	242.7	10.6	9.4	4.9	304.0	315.4	4.0	57.4	7. 1	49.	
10+1	35.0	3147.0	700.0	2.8	-5.8	251.1	10.6	10.0	3.4	306.0	316.4	3.5	53.1	7. 7	51.	
11.1	37.4	3442.1	675.0	3.6	-6.4	269.0	10-1	10.1	0.2	310.1	320.5	3.5	48.0	8. 3	53.	
12.2	40.3	3747.9	650.0	1.9	-6.1	278.2	9.8	9.7	-1.4	311.6	322.7	3.7	55.3	8.7	56.	
13.3	43.0	4063.0	625.0	-0.7	-10.2	270.3	9.7	9.7	-0.0	312.0	320.6	2.8	48.2	9.2	56.	
14.5	46.0	4387.7	600.0	-3.5	-10.2	267.2	11.2	11.1	0.5	312.4	321.3	2.9	59.4	9.8	60.	
15.6	49.0	4722.4	575.0	-6.2	-20.1	273.9	13.8	13.8	-0.9	312.8	317-1	1.3	32.1	10.6	62.	
17.0	51.9	5069.6	550 • 0	-8.0	-26.4	286.5	16.4	15.6	-5.1	314.6	317.3	0.8	21.1	11.6	67.	
18.5	55.0	5428.6	525.0	-11.6	-24.3	286.4	16.3	15.6	-406	314.5	317.8	1.0	34.0	12. 3	71.	
20.0	56.0	580C.2	500.0	-15.1	-24.0	289.9	16.1	15.2	-5 a 5	314.7	319.2	1 • 1	46.4	13.9	75.	
21.5	61.3	6185.3	475.0	-18.9	-23.9	285.7	17.4	16.8	-4.7	314.7	318.4	1.2	64.6	15.2	78.	
23.1	64.6	6586.5	450.0	-19.8	-44.1	286.7	18.0	17.2	-5.2	316.3	318.9	0.2	9.3	16.7	80.	
24.7	68.0	7009.3	425.0	-22.6	-45.9	291.1	17.1	16.0	-6.2	320.0	320.5	0.1	9.8	18.2	63.	
26.3	71.4	7451.7	400.0	-24.8	-47.4	286.5	20.0	19,2	-5.7	322.7	323.2	0.1	10.0	19.7	85.	
28.0	75.2	7918.2	375.0	-27.9	-49.6	284.0	21.2	20.6	-5.1	324.6	325.0	0.1	10.3	21.9	87.	
29.9	79.2	9410.4	350.0	-31.6	-52.4	283.9	21.7	. 21•I	-5.2	326.1	326.4	0.1	10.7	24.4	5.6	
32.1	63.0	8930.2	325.0	-35.6	-55.3	279.3	25.9	25.5	-4, 2	327.5	327.7	0.1	11.1	27.4	90.	
34.2	£7.0	9482.8	300.0	-39.6	-58.3	284.0	28.8	27.9	-7.0	329.4	329.6	0.0	11.5	30.8	91.	
36.3	91.5	10072.0	275.C	-44.3	99.9	266.0	30.6	29.4	-8.4	331.1	999.9	99.9	999.9	34.7	93.	
38.7	96.0	10703.4	250.0	-49.5	99.9	285.6	21.0	20.2	-5.6	332.6	999.9	99.9	999.9	36.2		
41.2	101.0	11365.8	225.0	-54.5	99.9	296.5	26.2	23.5	-11.7	335.0	999.9	.99.9	999.9	41.6		
43.8	106.3	12131.1	200.0	-59.5	59.9	305.4	26+1	21.3	-15.1	338 • 5	999.9	99.9	999.9	45. 7		
47.0	112.0	12962-1	175.0	-60-1	99.9	283.9	29.1	27.3	-6.7	350.7	999.9	99.9	999.9			
50.3	118.3	13916.8	150.0	-62.1	99.9	282.9	36.9	36.0	-6.3	363.1	999.9	99.9	999. 9		100.	
54.8	125.3	15055.8	125.0	-60.3	99.9	279.2	29.7	29.4	-4.7	365.6	999.9	99.9	999•9	65. 9		
59.5	132.7	16435.2	100.0	-65.2	99.9	281.9	11.8	11.6	-2.4	401.8	999.9	99.9	999.9	71.3		
65.5	140.3	18157.5	75.0	-67.6	99.9	275.3	13.6	13.6	-1.2	431.3	999.9	99.9	999.9		100.	
73.7	148.0	20648.0	50.0	-60.8	99.9	343.0	.4.3	1.2	-4-1	500.2	999.9	99.9	999.9		101.	
99.9	55.5	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSBORC. NC

#### 24 APRIL 1975 1120 GMT

25. 0 164 RH ΑZ PRES DIR U COMP V CCMP MX RTO RANGE TIME CNTCT HEIGHT TEMP DEW PT SPEED POT T E POT T PCT KM MIN GFM MB DG C DG C DG M/SEC M/SEC M/SFC DG K DG K GM/KG DG 275.0 988.6 16.7 14.5 210.0 4.7 2.3 4.1 292.2 319.7 10.6 87.0 0.0 C. 0.0 6.8 999.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 59.9 99.9 999.9 99.9 999. 5 999. 393.0 975.0 15.7 12.2 221.7 6.7 292.2 316.2 9.2 79.8 0.2 37. 0.5 9. 2 9.0 6.0 950.0 228.7 14.2 10.6 9.3 291.9 315.9 9.2 90.2 0.9 44. 1.6 10.7 613.2 13.3 11.8 2.5 13.2 837.5 925.0 11.7 11.0 234.1 18.8 15.2 11.0 292.5 316.0 9.0 95.4 1.8 47. 900.0 293.4 315.8 8.5 95.3 3.2 51. 3.5 15.7 1066.9 10.5 9.8 238.2 23.4 19.9 12.3 4.7 16.2 1301.7 875.0 10.1 9.2 243.1 24-2 21.5 10.9 295.3 317.6 8.4 94.1 4.7 54. 243.7 297.6 317.4 7.3 79.0 6. 1 57. 5.7 20.7 1543.2 850.0 10.0 6.7 21.3 19.1 9.5 6.7 23.3 1791.4 825.0 8.6 6.4 239.9 19.8 17.1 9.9 298.7 318.7 7.4 85.9 7.3 57. 58. 7.6 25.9 2045.9 800.0 7.7 5.6 240.3 14.6 12.7 7.3 300.3 320.0 7.2 86.4 8.3 90.0 8.6 26.8 2307.4 775.0 6.3 4.8 247.7 11.3 10.4 4.3 301.5 320.8 7.0 9. 1 58. 9.6 31.7 2576.5 750.0 5.2 4.0 265.6 10.4 10.3 0.8 303.1 322.1 6.8 92.2 9.6 59. 10.7 34.6 2853.1 725.0 3.8 2.0 271.5 10.1 10.1 -0.3 304.5 321.8 6.1 86.1 10.2 61. 305.6 320.3 5.2 80.6 10.9 63. 11.9 37.3 3138.1 700.0 2.2 -0.8 258.0 12.1 11.9 2.5 675.0 -2.4 3.4 307.1 320 . 8 4.8 79.2 11.7 64. 13.0 40.3 3431.5 0.7 249.2 9.5 8.8 244.4 307.7 318.2 3.6 67.5 12.2 54. 3733.6 650.0 -1.5 9.6 8.6 4.1 14.1 43.3 -6.B -13.9 309.3 315.7 42.4 13.0 64. 4045.4 625.0 -3.0 255.3 13.0 12.6 3.3 2.1 15.2 46.4 -18.8 310.9 31.8 13.9 65. 1.5 315.5 16.3 49.6 4368.0 600 c0 -4.6 264.2 15.0 14.9 1.4 0.1 312.0 315.0 1.0 24.0 14.9 67. 52.5 4701.4 575.0 -E.9 -26.1 269.5 15.6 15.6 17.4 7.6 16.0 69. 312.6 313.5 0.3 18.7 55.3 5046.4 550.0 -9.7 -38.3 275.2 17.7 17.6 -1.6 - 3. 3 312.5 313.9 0.4 15.4 17.3 71. -34-1 17.9 20.0 59. 1 5402.8 525.0 -13.2 280.4 18.2 0.0 18. 9 74. -16.0 -56.1 21.0 20.2 -5.5 313.5 313.6 1.7 21.6 62.7 5772.1 500.0 285.3 316.7 316.8 0.0 1.0 20.7 77. 23.2 66.1 6157.3 475.0 -17.2 -60.8 280.5 22.0 21.6 -4.0 22.4 79. 24.6 69.8 6560.6 450.0 -19.6 -62.4 286.1 20.1 19.3 -5.6 318.6 318.6 0.0 1.0 23.8 81. 26.0 73.3 6983.8 425.0 -21.9 -63.9 268.1 21.9 20.8 -6.8 320.9 321.0 0.0 1.0 7427.0 -25.3 20.3 -7.0 322.1 322.1 0.0 1.0 25.5 83. 27.3 77.0 400.0 ~66.1 288.9 21.4 294.0 322.7 322.9 0.0 4.8 27.1 85. 28.8 81.0 7891.9 375.0 -29.3 -57.2 20.8 19.0 -8.5 324.3 22.0 28.6 86. 293.0 324.9 0.1 30.3 85.1 8380.4 350.0 -32.9 -47.3 17.7 16.3 -6.9 30.6 88. 326.5 327.2 0.2 31.3 32.0 99.4 8898.8 325.0 -36.3 -47.2 294.5 20.7 18.8 -8.6 999.9 32.0 90. 33.7 94.0 9449.2 300.0 -40.4 99.9 303.2 18.9 15.8 -10.3328.5 999.9 99.9 92. 328.8 999.7 99.9 999.9 34.2 35.8 98.9 10035.8 275.0 -45.9 99.9 297.0 21.4 19.1 -9.7 999.9 37.2 94. 37.9 103.6 10662.6 250.0 -51.4 99.9 298.7 28.2 24.8 -13.5 329.6 999.9 99.9 999.9 41.0 96. 330.6 999.9 99.9 40.3 109.3 11337.4 225.0 -57.4 99.9 297.7 28.6 25.3 -13.3 98• 999.9 45.5 42.9 115.0 12074.0 200.0 -61.9 59.9 287.2 31.7 30.3 -9.4 334.€ 999.9 99.9 999.9 45.8 121.0 12901.6 175.0 -58.8 99.9 293.7 35.5 32.5 -14. 3 352. € 999.9 99.9 51.2 100. 57.5 101. 127.8 13876.3 150.0 -58.0 99.9 269.3 34.5 32.6 -11.4 370.1 999.9 99.9 999.9 49.1 15011.0 -62.8 99.9 287.8 20.5 19.5 -6.3 381.3 999.9 99.9 999.9 64.1 102. 52.9 135.3 125.0 999.9 99.9 999.9 71.8 102. 57.7 142.3 16382.6 100.0 -63.6 99.9 275.0 24.4 -2.1 404.5 24.5 999.9 150.3 18134.9 -65.4 99.9 276.9 9.6 9.5 -1.2 435.8 999.9 99.9 75.6 102. 63.4 75.0 999.9 999.9 99.9 78.8 103. 71.9 159.5 20642.9 50.0 -58.8 99.9 24.2 5.6 -2.3 -5.1 505.1

-51.0

99.9

999.9

25.0

84.6

169.0

25077.8

99.9

99.9

638.2

999.9

99.9

999.9

99.9

999.9 999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATEON ANGLE LESS THAN 6 DEG

STATION NO. 327 NASHVILLE: TENN

						4.5	APAIL	1812							
							1115 G	47		•				64 12.	• 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	мв	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	UG K	DG K	GM/KG	PCT	KM	DG
0.0	5.4	180.0	993.0	19.0	15.1	210.0	5.2	2.6	4.5	294.2	322.8	10.9	78.0	0.0	с.
99.9	99.9	ç9 <b>.9</b>	1000-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
0.4	6.7	337.5	975.0	18.3	15.4	999.9	99.9	99.9	99.9	295.1	324.9	11.4	82.9	999. 9	90¢.
1.1	e. 8	560.1	950.0	16.5	15.0	999.9	99.9	99.9	99.9	295.5	325.3	11.4	90.9	999. 9	999.
1.8	10.7	787.4	925.0	14.9	13.9	999.9	99,9	99.9	99.9	296.0	324.7	10.9	93.6	999.9	999.
2.7	12.7	1019.7	900.0	14.7	13.7	225.2	25.7	18.2	18,1	298.1	327.4	11.0	93.8	3.0	30.
3.6	14.8	1256.9	875. U	14.9	12.7	226.7	25.1	18.3	17.2	300.7	329.4	10.7	86.9	4.4	36.
4,4	16.8	1504.5	850.0	13.6	11.8	225-1	24.3	17.2	17.2	301.8	329.7	10.3	88.9	5• ₺	36.
5.3	19-1	1755.7	825.0	11.5	9.9	230.5	21.4	16.5	13.6	302.0	327.5	9.4	90.3	6. A	39.
6.2	21.1	2013.1	800.0	10.5	8 • 2	233.0	19.1	15.2	11.5	303.5	327.1	8.6	85.9	7. 9	41.
7+1	23.5	2277.5	775.0	8.7	7.6	234.8	19.4	15.5	11.2	304.3	327.8	8.5	92.9	8.8	43.
5.0	25.8	2546.7	750.0	7.2	5•9	235.5	19.7	16.3	11.1	305.4	327.1	. 7.8	91.7	9.9	44.
8.9	28 • 1	2827.4	725.0	5.6	4.2	235.8	19.9	16.4	11.2	306.5	326.8	7.2	91.3	10.9	45.
9.8	30.6	3114.1	700.0	3.6	2.3	238.2	21.1	17.9	11.1	307.3	325.7	6.5	91.4	12.0	45.
10.7	33.1	3400.6	675+0	1.0	-0.3	245.7	22.4	20.4	9,2	307.5	323.4	5.5	9C.8	13.2	48.
11.7	35.6	3711.9	650.0	-0.2	-5,6	251.2	26•6	25•2	8.6	309.3	320.8	3.9	67.0	14.4	50.
12.8	38.2	4025.6	625.0	-0.9	-10.5	251.3	29.5	27.9	9.5	311.7	320.1	2.8	46.3	16.2	52•
13.9	40.7	4350.9	600.0	-2.4	-8.4	250.6	26.4	24.9	8.8	313.7	324.0	3.4	63.4	18-1	54.
15.1	43.4	4687.3	575.0	-5.3	-7.8	249.9	25.9	24.3	e. 9	314.2	325.4	3.7	82.8	19.8	55.
16.2	46.4	5035.3	550.0	-7.5	-12.0	255.9	24.9	24.1	6.0	315.5	324 • 1	2.8	70.0 61.6	21 • 5 23 • 3	57.
17.5	49.3	5395.8	525.0	-10.4	-16.4	260.2	25.9	25.5	4,4 3,8	316.1	322.5 320.4	2.0 1.2	43.4	25.1	59• 60•
18.7	52·1	5769+3	500.0 475.0	-13.5	-23.3	262.4	28.3	28.1		316.6	320.8		51.8	27.4	
20 . 1	55.2	6157.4	450.0	-16.9 -17.6	-24.4	260.3	31.2	30.8	5 • 2 5 • 2	317.1 321.1	321.2	1.1		29.8	62. 64.
21.4	50.3	6563.0			-61.1	259.3	28.0	27.5			321.8	0.0	1.0	31.8	
22.8	61.6 65.0	6987.9 7431.7	425.0 400.0	-21.2 -25.1	-63.4 -65.9	262.0 259.4	25•2 26•6	24 • 9 26 • 2	3-5 4-9	321.8 322.3	322.4	0.0	1.0	34.2	
26.1	68.4	7898.8	375.0	-27.4	-67.5	267.6				325.3	325.3	0.0	1.0	36.8	67.
28.0	72.0	8391.7	350.0	-30.7	-69.6	272.0	26•6 27•4	26.6 27.4	1.1 -1.0	327.3	327.3	0.0	1.0	39.7	
30.0	76.0	8913.2	325.0	-35.3	-72.7	271.8	27.3	27.3	-0e3	328.0	328.0	0.0	1.0	42.2	
32.0	80.1	9465.4	300e0	-40.4	99.9	273.7	23.5	23.4	-1.5	328.5	999.9	99.9	999.9	44.9	
34.1	64.2	10052.2	275.0	-45.3	99.9	272.9	21.8	21.8	-1.1	329.6	999•9	99.9	999.9	48.3	
36.6	88.6	10680.6	250.0	-50.9	99.9	272.4	25.5	25.5	-1.1	330.4	999.9	99.9	999.9	52.0	
39.3	93.5	11358.3	225.0	-56.3	99.9	282.9	21.2	20.6	-407	332.2	999.9	99.9	999.9	54 • 6	
42.2	98.8	12098.1	200.0	-60.8	99.9	277.7	24.3	24.1	-3.3	336.5	999•9	99.9	999.9	58.6	
45.4	104.5	12919.6	175.0	-64.6	99.9	275.7	32.5	32.4	-3.2	343.4	999.9	99.9	999.9	63.6	
49.0	110.5	13878.3	150.0	-58.0	99.9	265.9	35.5	35.4	2.5	370.2	999.9	99.9	999.9	71.4	80.
53.5	118.0	15029.0	125.0	-59.4	99.9	287.4	28.9	27.6	-8.6	387.5	999.9	99.9	999.9	80.3	82.
58.7	126.7	15402.8	100.0	-65.1	59.9	270.5	27.6	27.5	-0.3	401.9	999.9	99.9	999.9	87.9	
65.2	136.7	18160.8	75.0	-62.5	99.9	278.6	12.6	12.5	-1.9	441.8	999.9	99.9	999.9	92.6	
74.2	148.0	20657.1	50.0	-59.1	99.9	287.5	4.3	4.1	-1.3	504.3	999.9	99.9	999.9	96. 4	84.
87.3	161.0	25093.5	25.0	-51.0	99.9	67.3	10.5	-9.7	-4.0	638.0	999.9	99.9	999.9	96.8	85.
0.43	40400		2300	-5140	7707	0.43		70 /	-410	22014	77797	****		20.0	3.5

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE PUCK, ARK

24 APRIL 19 5 1145 GMT

						24	APRIL	14.2								
							1145 G	<b>u</b> T					1	63 21.	. 0	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN	3,3,5	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	K4	DG	
9.0	5.8	79.0	1002.7	21.1	17.3	190.0	2.6	0.5	2.6	295.7	328.4	12.5	79.0	0.0	o.	
0.1		102.5	1000.0	21.4	18.2	218.5	10.8	6.7	8. 5	296.J	331.1	13.3	82.2	0.2	34.	
0.6		322.3	975.0	20.3	18.6	216.6	21.2	7.0	8 • 8	297.5	334.0	14.0	89.7	0.4	36.	
1.0		546.5	950.0	17.6	16.5	223.2	17.9	12.3	13.1	296.8	329.7	12.5	93.0	1 - 1	38.	
2.4		775.1	925.0	16.7	15.4	228.6	23.4	17.5	15.5	298.0	329.7	12.C	92.1	2.1	42.	
3.2	16.0	1008.5	90 C • C	14.8	13.6	232.0	24.4	19.3	15.1	298.3	327.5	11.0	92.4	3.3	45.	
4.1		1248.8	875.0	18.0	4.3	240.2	- 25.7	22.3	12.8	303.3	320 • 1	6.0	40.2	4.5	48.	
4.0	21.1	1496.6	850.0	17.0	4.4	243.6	27.6	24.7	12,2	304.7	322.2	6.2	43.3	5. 8	51.	
5 • 7	7 23. →	1750.5	825.0	14.8	9.3	243.5	23.6	21.1	10.5	305.4	330.2	9.0	69.8	7.0	54.	
6.	26.4	2010.6	eco.o	12.9	9.4	245.1	10.6	16.9	7.8	306.1	332.0	9.4	79.7	8.1	55.	
7.4	29.3	2277.2	775.0	11:4	4.4	256.0	16.1	15.6	3.9	307.0	326.2	6.8	62.0	9. O	56.	
8.4	32.2	2550.7	750.0	9.8	-0.5	268.6	13.6	13.6	0.3	307.9	322.2	4.9	48.7	9.7	59.	
9.2	2 35.1	2831.4	725.0	8.0	-7.2	275e4	13.5	13.6	-1.3	308.6	318.0	3.1	33.9	10.4	61.	
10.	3 38.0	3120.0	700.0	5.9	-13.4	280.3	15.7	15.5	-2.8	309.2	315.2	1.9	23.4	11.0	64.	
11.4	40.8	3416.6	675.0	4.0	-19.9	275.5	15.6	18.6	-1.9	310.3	314.0	1.2	15.6	12.0	67.	
12.5	43.9	3721.8	650.0	1.5	-15-1	265.7	22.7	22.6	1.7	310.9	316.6	1.8	27.8	13.2	69.	
13.4	46.9	4037.3	625.0	1.8	-48.9	261.1	. 24.7	24.4	3.8	314.4	314.7	0.1	1.0	14.5	7C.	
140.	50-1	4264.2	600.0	-1.2	-50.7	263.6	24.1	23.9	2.7	314.7	314.9	0.1	1.0	15,9	71.	
15.3	5 53.1	4701.8	575.0	-3.6	-52.2	264.4	22.9	22.8	2.3	315.8	316.0	0.1	1.0	17.3	73.	
16.4	56+3	5050.9	550.0	-6.3	-53.9	259.1	25.5	25.0	4. 8	316.6	316.8	0.0	1.0	18.8	73.	
17.	7 55.9	5412.8	525.0	-0.9	-55+6	254e8	29.8	28.7	7.8	317.7	317.8	0.0	1.0	20.9	74.	
19-1	63•3	5768.9	500.0	-11.4	-57.1	252.2	30.3	28.9	9.3	319.1	319.3	0.0	1.0	23.6	74.	
20.	66.9	6179.6	475.0	-14.6	-59.2	253.4	30.0	28.7	8.6	319.8	319.9	0.0	1.0	26.0	73.	
21.	70.5	6587.1	450.0	-17-1	-60.8	259.8	28.3	27.9	5.0	321.7	321.7	0.0	1.0	24.4	74.	
23.1	74.2	7012.7	425.0	-20.8	-61.9	265.1	26.2	26.1	2.2	322.2	322.3	0.0	1.2	30 • 4	74.	
24.6	78. 3	7457-1	40.0 • 0-	-25.0	-61.5	268.3	25.9	28.9	C. B	322.4	322.5	0.0	1.8	32.6	7.5.	
26.0	82.2	7922.5	375.0	-28.9	-62.1	273.4	28.1	28.1	-1.7	323.3	323.4	0.0	2.4	35-1	76.	
27.7	P 86.4	8412.0	350.0	-32.9	-63.2	273.0	27.4	27.3	-1.4	324.4	324.5	0.0	3.0	37.7	78.	
29.5	91.0	8929.1	325.0	-37.0	-64.9	265.0	32.4	32.3	2.8	325.6	325.7	0.0	3.6	40.6	76.	
31.5	95.6	9476.0	300.0	-41.3	99.9	267.2	29.2	29.2	1.4	327.2	999.9	99.9	999.9	44.7	7.9	
33.6	100-5	10062.9	275.0	~45.8	99.9	264.6	30.5	30.3	2. 8	328.9	999.9	99.9	999.9	48.3	90.	
35.	105.6	10690.2	250.0	-51.1	99.9	270.0	32.3	32.3	0.0	330.1	999.9	99.9	999.9	52.2	50.	
38.2	111.0	11367.4	225.0	+55·5	99.9	269.2	31.B	31.8	0.4	333.5	999.9	99.9	999.9	57.2	81.	
40.	116.9	12111.6	200.0	-59.5	99.9	264.9	39.8	39.6	3• 5	338.6	669.8	99.9	999.9	62.8	82.	
44.0	123.3	12942.7	175.0	-59.0	99.9	267.3	31.2	31.2	1.5	352.5	999.9	99.9	999.9	69.4	32.	
47.	130,0	13911.5	150.0	-59.1	99.9	256.1	33.1*	32.1	8.0	368.2	999.9	99.9	999.9	75.7	82.	
51.5	137.0	15043-1	125.0	-62-1	99.9	265.2	41-54	41.3	3. 5	362.6	999.9	99.9	999.9	84.9	82.	
56.4	143.8	16417.8	100.0	-63.7	99.9	259.7	19.A.	19.5	3.5 i	404.7	999.9	99.9	99969	93. 5	82.	
62.6	151.0	18173.7	75.0	-66•3	99.9	329-7	9.0	4.5	-7.7	434.0	999.9	99.9	999.9	98.0	92.	
70 . 5	158.3	20675.3	50.0	-56.3	99.9	324.0	3.9	2.3	-3.1	510.9	999.9	99.9	999.9	101.4	82.	
83.2	165.9	25144.7	25.0	-49.5	9949	305.5	7.5	5.1	-4.4	642.9	999.9	99.9	999.9	162.9	84.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 GEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349 MONETTE: MO

24 APRIL 1975

							1115 G	MT					1	54 16	. 0	
TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTG	RH	RANGE	. AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0+0	8.2	438.0	957.3	20.6	19.8	200.0	5.6	1.9	5.3	295.5	339.9	15.4	95.0	0.0		
99.9	99 <sub>0</sub> .9	99.9	1000.0	99+9	99.9	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.9	929, 9		
99.9	99.5	99.9	975.0	99.9	<b>99.9</b>	99.9	99.9	99.9	59.9	99.9	999.9	99.9	99943	995.9		
0.2	8.9	504.4	950.0	20.0	17.9	208-1	10.0	4.7	8. 8	299.3	335.8	13.8	88.0	0.3		
1.1	10.9	734.7	925.0	18.3	17.6	211.5	12.2	6.4	10.4	259.9	336.7	13.9	95.8	0.7		
1.9	13.2	970.0	900.0	16.7	16.5	550.5	14.8	9.6	11.3	300.4	335.7	13.2	99.0	1.4	29.	
2.7	1,5.4	1210-6	875.0	15.6	15.4	227.8	16.8	12.4	11.3	361.7	335.9	12.7	96.9	2 • 1	35.	
3.5	17.6	1457.2	850.0	14.9	14.7	235.1	18-1	14.9	10.4	303.4	337.1	12.5	98.7	2.9	39.	
4.2	20.0	1710.3	825.0	14.0	13.8	244.3	19.4	17.5	8.4	205.0	339.0	12.1	98.6	3. 7		
5.0	22.2	1970.8	800.0	13.2	13.0	250.4	18.8	17.7	6-3	306.€	339.5	11.9	98.5	4.5		
5.6	24.7	2238.1	775.0	11.7	11.4	247.6	21.5	19.8	8.2	307.8	339.4	11.0	98.7	5.2 5.9		
6 - 1	27.0	2512.5	750.0	9.8	9.6	246.6	20.5	18.8	8.1	308.6 309.3	336•8 335•1	9.2	98.6	6.5		
6.7	29.6	2794.4	725.0	7.9 5.3	7•7 5•0	245.5 245.4	19.7	17.9 17.5	8. 0	309.4	331 • 8	7:9	98.0	7.1	56.	
7•2	32.2	3093.5	700.0		3.7	246.9	19.5	18.0	7.7	310	332.1	7.4	98.8	7.7		
7.8	34.9 37.4	3380 • 1 3687 • 3	675.0 650.0	3.8 2.8	2.6	248.3	20.6	19.2	7.6	313.1	333.8	7.2	98.6	8.3		
8.3 8.6	40.2	4005.0	625.0	1.3	1.1	248.0	21.5	19.9	8.1	314.8	334.2	6.6	98.4	6.7		
	42.9	4332.4	600.0	-2.2	-2.5	246.2	22.3	20.4	9.0	314.3	330.0	5.3	97.9	9.2		
9.3	45.8	4671.0	575.0	-3.0	-3.0	244.1	22.6	20.3	9.9	317.1	333.1	5.3	100.7	9. 6		
	48, 9	5022.2	550.0	-5.8	-6.0	242.4	22.9	20.3	10.6	317.8	331.3	4.5	98.5	10.1	59.	
9.6	£1.6	5385.3	525.0	-7.6	-8.5	241.8	23.5	20.7	11.1	319.7	331.5	3.8	93.5	1.C. 4		
10.3	54.8	5766.6	500.0	-7.7	-7.8	242.9	24.2	21.5	11.0	324.2	337.4	4.2	98.9	11.0		
10.9	57.8	6158-8	475.0	-16.5	-17.8	246.1	25.4	23.3	10.3	317.8	324.1	2.0	89.7	11.9		
11.7	61.1	6562.5	450.0	-23.2	-37.7	251.9	27.9	26.6	6.7	314.0	315.2	0.3	25.4	13, 2		
12.8	64.7	6980-2	425.0	-23.3	-42.0	260.5	30.8	30.4	5.1	319.1	319.9	0.2	16.4	15.1		
13.8	68.0	7421.7	400.0	-25.5	-34.4	263.6	31.4	31.2	3.5	321.9	323.6	0.5	42.8	16.8		
15.0	71.6	7887.0	375.0	-28.4	-36.8	259.7	30.7	30.2	5.5	323.9	325.5	0.4	45.6	19.0		
16.5	75.5	8377.2	350.0	-32.4	-38.0	259-1	29.1	28.6	5. 5	325.1	326.5	0.4	56.9	21.7		
18.1	7965	8898.2	325.0	-34.5	-40.2	269.7	31.1	31.1	0.2	329.1	330.3	0.3	55.5	24.5		
19.5	€3 <sub>6</sub> 6	9452.7	300.0	-38.6	-45.0	273.6	31.0	31.0	-1.9	330.9	331.8	0.2	50.3	26. 7		
20.7	87.8	10043.6	275.0	-44.1	99.9	282.8	36.3	35.4	-8.0	331.4	994.9	99.9	999.9	28. 9		
23.3	92.6	10676.4	250.0	-49.5	99.9	285.6	34.3	33.1	-9.2	332.5	999.9	99.5	999.9	34.0	79.	
25.5	97.4	11357.8	225.0	-55.6	99.9	281.5	28.5	27.9	-5.7	333.3	999.9	99.9	999.9	37.8	82.	
27.5	102-5	12096.0	200.0	-62.4	99.9	279.7	20.9	20.6	-3.5	333.9	999.9	99.9	999.9	40.8	83.	
30.0	108.5	12906.6	175.0	-67.9	99.9	269.4	29.2	29.2	0.3	337.9	999.9	99.9	999.9	44.1	94.	
33.6	115.0	13851.1	150.0	-60.1	99.9	244.8	31.6	28.6	13.5	360.5	999.9	99.9	999.9	50.3	d 3 •	
37.6	122.0	14982.6	125.0	-61.8	99.9	. 259.7	30.7	30.2	5.5	383.1	999.9	99.9	999.9	58.9	81.	
42.9	130.0	16372.3	100.0	-60.7	99.9	263.9	30.3	30.1	3.2	410.5	999.9	99.9	999.9	68. 9	81.	
48.4	138.7	18139.3	75.0	-67.0	99.9	270.4	11.8	11-8	-0-1	432.6	999.9	99.9	999.9	72.0	83.	
57.8	148.0	20642.9	50.0	-59.8	99.9	300.2	7-1	6.1	<b>-3.</b> 6	502.6	999.9	99.9	999.9	76.1	82.	
71.6	157.7	25052.1	25.0	-54.9	99.9.	304.7	3.5	2.9	-2.0	627.1	999.9	99.9	999.9	78. 7	84.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363 AMARILLO, TEX

															_		
	TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	PANGE		
	MIN		GPM	MB	CG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG'	
	0.0	14.6	1095.0	884.2	10.4	-4.8	310.0	3+1	2.4	-2.0	294.1	302.6	3.0	34.0	0.0	0.	
	99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9	999.	į.
	99.0	55.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
	99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999,9	999.9		
	99.9	99.9	99.9	925.0	99 <b>.</b> 9	99.9	99.9	99.9	99.9	99 <b>.</b> 9	99.9	999.9	99.9	999.5	999. 9		
	99.9	99. 9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
	0.4	15.4	1184.0	875.0	17.2	0.0	999.9	99.9	99.9	99.9	302.3	315.1	4 <sub>9</sub> 5	32.7	999 <b>,</b> 9		
	1.5	17.5	1431.5	850.0	18.6	-5.0	999.9	99.9	99.9	59.9	306.1	315.3	3 <b>.</b> 1	19.7	999. 9		
•	2.5	19.9	1687.1	825.0	17.7	-5.7	285.2	7.9	7.6	-2.1	307.8	316.8	3.0	19.7	1 • 1		
	. 3.3	22.0	1948.9	800.0	16.0	-7.0	280.5	7.9.	7.8	-1.5	308.6	317.0	2.8	19.8		118.	
	4.5	.24.5	2217.3	775.0	14.2	-8.5	\$65.0	10.0	9.9	1.4	309.4	317.3	2.6	19.9		110.	
	, 5 <sub>€</sub> 5	26.7	2492.6	750.0	11.9	-10.3	260.4	14.2	14.0	2.4	309.8	386.9	, 2, 3	20.1	2.7		
	6.6	29.2	2774.7	725.0	9.4	-12.1	256.9	14.4	14.0	3. 2	310.0	316.4	2.1	20.5	3, 5	96.	
	7.5	31.8	3064.0	700.0	6.7	-13.2	253.0	14.2	13.6	4.1	310.1	316.2	2.0	22.6	4.4	92.	
	8.9	34.4	3360.9	675.0	4.0	-15.1	244.3	15.8	14.3	6. 9	310.3	315.8	1.8	23.3	5. 3	88.	
	9.9	36.9	3666.2	650.0	1.8	-16.1	242.9	18.3	16.3	8+3	311.2	316.4	1.7	24.9	6.4	83.	
	11.1	35.7	3980.7	625.0	-1-1	-17.3	248.3	18.3	17.0	6.7	311.4	316.3	1.6	27.9	7.7	90.	
	12.4	42.2	4304.7	600.0	-3.2	-23.5	248.5	19.8	18.5	7. 3	312.5	315.6	1.0	19.0	9.2	79.	
	13.7	45.1	4640.6	575.0	-5.0	-25.1	245.3	21.6	19.6	9.0	314.2	317.0	0.9	18.7	10.8	77.	
	15.0	48-1	4988.0	550.0	-8.0	-27.5	249.2	22.1	20.7	7.9	314.6	317.0	0.7	19.0	12.4	75.	
	16.2	50.9	5347.2	525.0	-11-1	-30.0	247.2	19.8	18.2	7.7	315.1	317.1	0.6	19.2	13.9	75.	
	17.5	54.1	5719.4	500.0	-14.0	-33.1	245.4	19.1	17.4	8.0	316.0	317.6	0.5	18.0	15.4	74.	
	19.2	57.1	6107.8	475.0	-15.8	-34.4	242.8	22.0	19.6	10.1	318.5	319.9	0.4	18.3	17.3	73.	
	20.7	60.4	6513.0	450.0	-18.8	-35.1	247.1	25.1	23.1	9. 3	319.7	321.1	0.4	21.9	19.6	72.	ı
	22.5	64.3	6935.8	425.0	-22.8	-37.6	247.0	28.6	26.3	11.2	319.8	321.0	0.3	24.2	22.4	71.	ı İ
	24.2	€7 <b>•</b> 3	7378.0	400.0	-26.0	-37.5	251.0	31.9	30.1	10.4	321.2	322.5	0.4	32.9	25• 5	71.	
	25.9	70.9	7841.6	375.0	-30.0	-36.2	252.1	32.6	31.0	10.0	321.9	323.5	0.5	54.2	29. 3	71.	
	27.9	74.7	8329.6	350.0	-33-3	-38.2	254.1	32.4	31.1	8.9	323.9	325.3	0.4	60.7	32.8	71.	
	29.9	78. 3	8846.0	325.0	-37.2	-44.6	253.3	33.6	32.2	9.6	325.3	326.2	0.2	45.7	37.2		
	32.1	82.8	9393.4	300.0	-42-1	99.9	253.9	28.7	27.6	8.0	326.1	999.9	99.9	999.9	41.9	72.	,
	34.5	87.2	9976.4	275.0	-46.B	99.9	258.2	38.6	37.6	7.9	327.4	993.9	99.9	999.9	47.4	72.	
	37.2	92.0	10602.3	250.0	-51.5	99.9	258.9	41.7*	40.9	6.0	329.6	999.9	99.9	999.9	52• 4	73.	
	39.7	97.0	11281.0	225.0	-55.8	99.9	260.2	27.7*	27.3	4.7	333.0	999.9	99.9	999.9	57.4	73.	,
	42.5	102.4	12023.3	200.0	-60.4	99.9	263.9	44.24	44.0	4.7	337.1	999.9	99.9	999.9	63.0	74.	ı
	45.4	108.5	12850.8	175.0	-62.0	9769	257.3	33.7*	32.9	7. 4	347.6	999.9	99.9	999.9	70.2	75.	
•	48.8	114.8	13815.0	150.0	-59.5	9909	260.8	23.4*	23.1	3.7	367.6	999.9	99.9	999.9	75.6		
	53.3	122.3	14946.0	125.0	-64.0	99.9	246.3	23.5	21.5	9.4	379.1	999.9	99.9	999.9	81.2	75.	r
	58. B	130.7	16310.2	100.0	-62.7	99.9	253-1	33.0	31.6	9,6	406.6	999.9	99.9	999.9	91.8	75.	
	65.5	140.0	18090.9	75.0	-62.9	99.9	244.7	9.0*	8.1	3. 8	441.0	999.9	99.9	999.9	99.8		
	75.0	151.0	20619.1	50.0	-57.3	92.9	252.8	15.94	15.2	4.7	508•4	999•9	99.9	999•9	108.5		
	99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	,

<sup>\*</sup> PY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG.

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 402 WALLOPS ISLAND, VA

24 APRIL 1975 1100 GMT

159 14. 0

								••••						_		
	TIME	CNTCT	HE I GHT	PRES	TEMP	DE'S PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	H/SEC	DG K	DG K	GM/KG	PCT	кч	D G
	0.0	4.3	4.0	1018.3	13.9	11.4	99969	99.9	99.9	99.9	286.7	308 • 1	8.4	85.0	999.9	999.
	0.5	5 • 6	158.9	1000.0	17.7	13.3	999.9	99.9	99.9	99.9	292.1	317.3	9.7	75.6	990.9	999.
	1.3	7.6	375.5	975.0	16.5	12.1	999.9	99.9	99.9	99.9	293.0	316.9	9. 1	74.9	990.9	999.
	1.9	9.8	596.4	950.0	14.7	11.4	99909	99.9	99.9	99.9	293.3	316.9	9.0	80.4	999. 9	999.
	2.5	11.7	822.1	925.0	14.0	10.2	999.9	99.9	99.9	99.9	294.8	317.4	8.5	77.6	999. 9	979.
	3.4	13.9	1053.5	900.0	13.8	10.1	999.9	99.9	99.9	99.9	296.9	320.1	8.7	78.5	<b>99</b> 9• 9	999.
	4.2	16.0	1291.1	875.0	13.0	10.2	999.9	99.9	99.9	99.9	298.5	322.4	8.9	82.1	999. 9	999.
	5. 1	18.3	1535.0	85C.O	11.9	7.5	999.9	99.9	99.9	99.9	299.6	320.6	7.7	. 74.6	999.9	999.
	5.9	20.5	1784.6	825. C	9.8	6.8	999.9	99.9	99.9	99.9	300.0	320.7	7.6	81.7	995. 9	999.
•	6.8	22.7	2039.7	800.0	7.6	6.4	999.9	99.9	99.9	99. 9	300.2	321.0	7.6	92.5	999. 9	999.
	7.6	25.1	2301.0	775.0	5.7	4.8	999.9	99.9	99.9	99. 9	300.9	320.1	7.0	93.4	999. 9	999.
	8.5	27.4	2569.3	750.0	4.2	3.1	999.9	99.9	99+9	99.9	302.0	319.8	6.4	92.2	995. 9	949.
	9.4	30.0	2944.8	725.0	2.6	1.4	999.9	99.9	99.9	99.9	303.1	.319.5	5.9	92.0	999.9	999.
	10.3	32.6	3128.1	700.0	0.4	-0.7	999.9	99.9	99.9	99.9	303.5	318.3	5 • 2	92.4	999.9	999.
	11.3	35.2	3419.5	675.0	-1.3	-2.4	999.9	99.9	39.9	99.9	304.8	318.4	4.8	91.9	999. 9	9990
	12.4	37.7	3719.7	650.0	-3.4	-4.5	999.9	99.9	99.9	99.9	305.7	317.9	4.2	92.3	994.9	999.
	13.4	40.3	4029.7	625.0	-4.8	-5.B	999.9	99.9	99.9	99.9	307.5	319.1	4.0	92.4	999. 3	999.
	14.5	42.9	4349.7	600.0	-6.8	-11.4	999.9	99.9	99.9	99.9	308.5	316.6	2.7	70.3	999.9	999.
	15.4	45.8	4680.9	575.0	-8.7	-16-4	999.9	99.9	99.9	99.9	310.0	315.7	1.8	53.8	999. 3	999.
	10.6	48.8	5022.2	550.0	-12.9	-51.5	999.9	99.9	99.9	99.9	308.€	309.0	0.1	2.3	995.9	999.
	17.7	51.6	5376.2	525.0	-13.9	-41.7	999.9	99.9	99.9	99.9	311.7	312.4	0.2	7.4	993. 9	999.
	19.0	54.9	5745.6	500.0	-15.5	-46.6	999.9	99.9	99.9	99.9	314.1	314.5	0.1	4.9	999.9	999.
	20.3	57. 9	6131.3	475.0	-17.4	-47.7	999.9	99.9	99.9	99.9	316.3	316.7	0.1	5.1	999. 9	9990
	21.7	61.3	6533.8	450.0	-20.5	~55.5	999.9	99.9	99.9	99. 9	317.4	317.6	0.0	3.0	999.9	999.
	23.1	64.9	6955.7	425.0	-22.1	-50.3	999.9	99.9	99.9	99.9	320.6	320.9	0.1	6.5	999.9	999.
	24.6	68.2	7398.5	400.0	-25.2	-42.3	999.9	99.9	99.9	99.9	322.2	323.0	0.2	18.4	999.9	999.
	26.0	71.5	7853.7	375.0	-28.9	-50.6	999.9	99.9	99.9	99.9	323.3	323.7	0.1	10.2	999.9	979.
	27.5	75.8	8353.0	350.0	-33.2	-53.9	999.9	99.9	99.9	99.9	324.0	324.2	0.1	10.3	999. 9	999.
	29.3	80.0	8869.1	325.0	-37.3	~55.5	999.9	99.9	99.9	99.9	325.2	325.4	0.1	12.9	999.9	975.
	31.1	84.2	9418.5	300.0	-40.7	99.9	999.9	99.9	99.9	99.9	328.0	999.9	99.9	999.9	999.9	939.
	33.0	88.3	10004.4	275.0	-45.9	99.9	999.9	99.9	99.9	99.9	328.8	999.9	99.9	999.9	999. 9	
	35.3	93, 6	10631.4	250.0	-51.0	99.9	999.9	99.9	99.9	¢9.9	330.3	999.9	99.9	999.9	999.9	
	37.5	98.5	11310.4	225.0	-55.2	99.9	999.9	99,9	99.9	99.9	334.0	999.9	99.9	999.9	999. 9	999.
	40.1	104.0	12052.7	200.0	-60.4	99.9	999.9	99.9	99.9	99.9	337.1	999.9	99.9	999.9	999.9	999.
	42.6	110-2	12874.9	175.0	-66.0	99.9	999.9	99.9	99.9	99. 9	341.1	999.9	99.9	999.9	999.9	
	45.6	116.3	13816.2	150.0	-59.7	99.9	999.9	99.9	99.9	99.9	367.2	9.3.9	99.9	999.9	999.9	
	50.0	123.8	14965.6	125.0	-57.4	99.9	300.9	99.9	99.9	99.9	391.0	999.9	99.9	999.9	999.9	
	54.9	131.7	16364.4	100.0	-61.1	99.9	999.9	99.9	99.9	99.9	409.7	999.9	99.9	999.9	999.9	
	60.7	140.0	18128.5	75.0	-63.8	99.9	999.9	99.9	99.9	99.9	439.1	999.9	99.9	999.9	999.9	
	68.7	149.0	20646.2	50.0	-57.6	99.9	999.9	99.9	99.9	99.9	507.8	999.9	99.9	999.9	999.9	
	79.9	158-0	25083.7	25.0	-52.2	99.9	999.9	99.9	99.9	99. 9	634.6	599.9	99.9	999.9	999.9	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND TO DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 405 STERLING. VA

24 APRIL 1975

1115 GMT 165 15. 0 MX RTO TIME CNTCT HE I GHT PRES TEMP CEW PT DIR SPEED U COMP V CCMP PCT T E POT T RH RANGE AZ DG K MIN GPM MB DG C DG M/SEC M/SEC M/SEC DG K GM/KG PCT KM DG DG C 290.7 314.0 9.0 75.0 0.0 0.0 ~5. 5 85.0 1004.6 16.7 12.3 200.0 6.7 2.3 6.3 0. 69.5 0.3 5.8 124.3 1000.0 17.7 12.0 20202 13.4 5.1 12.4 292.0 315.2 8.9 G . 1 30. 9.75.0 340.9 11.3 214.3 9.2 13.5 293.1 316.0 8.7 70.5 0.9 30. 1.3 8. 3 . 16.7 16.3 10.7 562.4 950.0 9.7 224.5 15.9 11.1 11.3 295.1 316.4 8-0 63.9 1.8 35. 2.1 16.6 7.4 60.3 39. 3.0 13.0 789.4 925.0 15.8 8.2 236.1 13.8 11.5 7.7 296.5 316.4 2.5 297.1 316.2 1022.0 900.0 255.6 12.3 3.2 7.1 62.3 3.2 45. 3. 9 15.4 14-2 7.1 12.7 1259.6 318.2 7.3 66.4 52. 4.9 17.9 875.0 73.2 7.1 269.6 13.2 13.2 0.1 298.5 3.8 1503.1 -1.5 299.1 319.4 7.5 74.4 4.5 50. 20. J 850.0 11.4 7.1 275.2 16.6 5.9 16.6 22.5 1752.2 825.0 10.1 6.7 278.2 18.3 18-1 -2.6 300.2 320 . B 7.5 79.6 5.3 66. 6.8 7.8 25.3 2007.8 800.0 275.6 14.8 -1.4 300.6 319.3 6.8 80.1 6. 1 71. 8.0 4.8 14.8 301.4 317.8 5.9 75.7 73. 8.8 27.9 2269.3 775.0 6.4 2.4 262.1 15.1 15.0 2.1 6. 9 302.0 315.5 4.8 67.9 7.9 73. 9.8 30.7 2537.8 750.0 4.4 -1.0 255.7 14.3 13.8 3.5 3. 3 2.7 0.0 14.6 303.1 318.0 5.3 82.7 6.7 74. 10.7 33.4 2813.4 725.0 257-3 14.9 700.0 -0.9 2.3 303.5 318.0 5.1 91.2 9.5 74. 11.7 36.0 3096.4 0.3 261.3 15.2 15.0 4.4 75. 12.8 38.9 3387.7 675.0 -1.6 -3.4 265.0 16.5 16.4 1.4 304.4 317.1 87.9 10.5 13.7 41.6 3687.6 650.0 -3.6 -4.8 265.2 18.5 18.4 1.5 305.4 317.4 4.1 91.3 11.5 76. 14.6 44.5 3997.2 625.0 -4.4 -8.1 264.0 18.3 18.2 1.9 307.8 317.6 3.3 76.0 12.6 77. -5.7 -23.0 17.7 3.2 309.7 312.9 1.0 23.8 13.7 77. 15.7 47.5 4318.5 600.0 259.8 18.0 -7.8 -27.4 19.3 310.9 313.2 0.7 19.0 14.8 77. 16.7 50. 5 4650.8 575.0 256.1 19.9 4.8 16.4 77. 17.9 53.6 4994.9 550.0 -10.4 -27.6 257.0 20.8 20.3 4.7 311.8 314.2 0.7 22.7 5351.6 525.0 -12.3 -28.0 261.1 19.9 19.7 3. 1 313.7 316.1 0.7 25.5 17.9 77. 19.1 56.6 317.3 32. A 78. 20.5 60.0 5722.3 500.0 -15.1 -27.7 268.7 22.3 22.3 0.5 314.7 0.8 19.4 6108.0 -17.5 -28.4 277.4 22.0 -2.9 316.3 318.9 0.8 38.2 21.1 79. 21.7 63.4 475.0 22.2 22.9 66.6 6511.8 450.0 -19.1 -26.0 268.8 22.4 21.2 -7.2 319.4 322.7 1.0 54.1 22.0 31. 322.6 0.6 41.0 24. 2 24.3 70.3 6934.5 425.0 -22.3 -31.9 283.6 21.8 21.2 -5.1 320.5 A3. 25.7 73.8 7376.9 400.0 -25.6 -36.3 288.2 20.6 19.6 -6.4 321.7 323.2 0.4 35.8 25.9 84. -44.5 27.3 77.7 7842.1 375.0 -29.3 291.6 20.0 18.6 -7.4 322.7 323.4 0.2 21.2 27.5 86. 81.5 8330.6 -33.6 -46.4 21.1 -6.9 323.4 324.0 0.2 25.9 29. 2 87. 28.7 350.0 288.0 22.2 30 . ₺ 8845.5 -38.5 -50.3 323.6 324.0 0.1 27.1 31.3 89. 25.6 325.0 284.7 24.0 23.3 -6.1 99.9 999.9 999.9 32.2 90.0 9390.2 300.0 -43.2 282.1 28.4 27.8 -6.0 324.5 99.9 34.3 90. 54.7 27.3 -9.6 324 . 8 999.9 99.9 999.9 37.2 91. 34 . 1 9969.6 275.0 -48.6 99.9 289.3 29.0 -14.9 99.3 10589.0 250.0 -54.L 99.9 292.8 36.5 35.5 325.6 999.9 99.9 999.9 40.7 93. 36.0 -11.0 999-9 99.9 999.9 44.5 95. 37.8 104.3 11260.0 225.0 -55.2 99.9 397.4 23.9 21.2 333.9 337.1 999.9 99.9 999.9 47.0 96. 39.9 110.0 12003.7 99.9 287.9 19.8 -6.4 200.0 -60.4 20.8 340.3 999.9 99.9 999.9 51.0 97. 42.6 115.8 12823.0 175.0 -66.4 99.8 290.0 25.8 24.2 -8.8 13762.0 150.0 -10.5 369.1 999.9 99.9 .999.9 55.A 98. 45.5 122. 3 -58.6 99.9 288.1 33.8 32.1 292.9 129.7 14917.1 125.0 -57.7 99.9 26.2 24.2 -10.2 390.5 999.9 99.9 999.9 62.1 99. 49.3 137.3 16326.0 100.0 99.9 312.3 11.3 -7.6 411.2 999.9 99.9 999.9 69. 3 10C. 53.9 -60.3 8.4 17.9 437.1 999.9 99.9 999.9 73.1 101. 75.0 99.9 286.1 18.7 ~5.2 59.4 145.3 18098.6 -64.8 999.9 99.9 999.9 77.0 103. 154.3 50.0 -58.4 99.9 336.3 1.4 -3.1 506.0 67.4 20626.4 3.4

-51.3

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<sup>\*</sup> PV SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP WEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 425 HUNTINGTON. BYA

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65.

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 983.1 0-0 7.7 246.0 17.2 11.7 180.0 3.2 0.0 3. 2 292.9 316.1 8.8 70.0 0.0 ο... 99.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 9949 999.9 999. 3 999. 0.2 8.5 316.9 975.0 17.3 11.2 205.9 16.1 7.0 14.5 293.7 316.5 67.4 8.6 0.3 14. 0.9 10.6 539.3 950.0 17.2 11.2 211.7 17.4 9:1 14.8 295.8 319.3 0.7 22. 6.8 67.8 12.9 925.0 15.8 10.7 223.5 23.6 17.1 296.6 320.1 71.8 31. 1.7 766.5 16.2 8.8 1.7 2.5 15.1 959.4 900.0 14-A 11.2 234.4 26.5 21.6 15.5 298.0 323.0 9.3 78.9 2.9 38. 3 - 3 17. 3 1237-8 875.0 13.4 10.8 242.5 25.5 22.6 11.8 299.0 324.2 9.4 84.2 4.0 45. 4.1 19.8 1481.7 850.0 11.6 10.2 249.5 23.0 21.6 8 e 1 299.6 324.5 9.2 90.8 5. 2 49. 4.9 22.1 1731.5 825.0 10.3 9.0 255.3 21.3 20.6 5.4 300.7 324.5 80,1 91.1 6.1 54. 5.7 24. 5 1987.8 800.0 7.4 252.8 22.6 21.6 301.4 323.7 8. 1 92.2 7. 1 5 E. 8.6 6.7 26.8 2250.2 775.0 7.0 6.0 256.3 21.4 20.8 5.1 302.4 323.4 7.6 93.5 8. 1 59. 6.5 7.4 29.3 2519.5 750.0 4.9 4.0 257.3 20.5 20.0 302.8 321.9 6.8 93.8 9.2 61. 4.5 8.4 32. 3 2796.0 725.0 3.6 1.6 258.7 20.2 19.8 3.9 304.2 321.0 6.0 87.0 10.3 63. 9.3 34.6 3080.5 700.0 1.8 -0.5 257.1 21.3 20.7 4.7 305.1 320.2 5.3 84.8 11.4 64. 306.1 97.3 10.3 37.0 3373.1 675.0 -0.2 -0.6 255.6 21.2 20.5 5.3 321.7 5.4 12.7 66. 306.9 3674.5 320.8 4.8 96.4 13.9 11.2 35.8 650.0 -2.3 -2.8 253.0 20.3 19.4 5.9 64. 3985.7 625.0 -3.9 308.6 321.5 96.1 12.4 42.4 -4.4 249.6 20.0 18.8 7.0 4.4 15.2 67. 309.8 92.2 13.3 45.3 4307.3 600.0 -5.9 -6.9 248.3 21.3 19.8 7. 9 321.1 3.8 16.3 67. 17.7 14.4 48.3 4638.6 575.0 -9.4 -20.4 250.4 21.9 20.6 7.3 309.1 313.2 1.3 40.2 67. 15.5 51.3 4980.6 550.0 -11.4 -23.3 253.9 23.6 22.0 6.5 310.6 314.1 1.1 36.6 19.3 67. 16.7 54.1 5336.1 525.0 -13.6 -19.8 260.8 27.2 26.8 4.3 312.2 317.0 1.5 59.2 21.1 68. 17.8 57.0 5706.5 500.0 -14.8 -17.8 271.7 24.7 24.7 -0.7 315.2 321.1 1.9 77.6 22.8 69. 71. 19.0 60.3 6093.7 475.0 ~16.9 -20.8 201.2 23.3 22.9 -4.5 317.2 322.1 1.5 71.4 24.3 20.5 63.7 6497.7 450.0 -19-6 -23.9 280.5 24.3 23.9 -4.4 318.7 322.7 1.2 68.3 26e 0 74. 75. 21.7 66.9 6920.2 425.0 -22.3 -28.9 284.1 23.9 23.1 -5.8 320.5 323.3 0.8 54.7 27.7 23. 1 70.4 7363.4 400.0 -25.4 -32.5 291.2 21.7 20.2 -7.9 322.0 324.2 51.3 29.3 78. 0.6 24.5 73. 7 7829.4 375.0 -29.0 -37.4 289.3 20,2 19.1 -6.7 323.2 324.6 0.4 43.6 30.8 79. 77.7 32564 33.1 32.7 91. 26.2 8318.2 350.0 -32.7 -43.4 279.5 22.5 22.2 -3.7 324.6 0.2 27.9 81.5 8835.8 325.0 -36.9 -49.3 276.1 24.2 24.1 -2.6 325.7 326.2 0.1 25.9 35.1 82. 29.6 85.6 9384.0 300.0 -41.7 99.9 277.1 27.3 27.1 -3.4 326.6 999.9 99.9 999.9 37.7 83. 31.6 25.4 9967.7 275.0 -46.4 99.9 280.6 28.8 28.3 -5. J 328.1 999.9 99.9 999.9 40.9 94. 33.8 94.6 10593.7 250.0 -51.5 99.9 292.8 35.3 32.5 -13.7 329.5 999.9 99.9 999.9 44.6 96. -7.1 36.2 99.4 11269.6 225.0 -56.5 99.9 280.3 39.8 39.1 331.9 999.9 99.9 999.9 49.5 89. 39.6 104.5 12006.4 200.0 -62.0 99.9 280.9 37.9 37.3 -7.2 334.5 999.9 99.9 999.9 54.8 90. 59. 9 91. 41.0 110.3 12826.7 175.0 -64.5 99.9 281.6 38.6 37.8 -7.8 343.6 999.9 99.9 999.9 99.9 43.6 116.3 13782.0 150.0 -59.5 99.9 264.6 29.4 28.5 -7.4 367.7 999.9 999.9 65.9 92. 387.1 999.9 99.9 999.9 70.7 92. 47.9 123.5 14933-1 -59.6 99.9 271.0 25.0 25.0 -0. 5 125.0 50.9 131.0 16323.2 100.0 -60.4 99.9 272.8 26.1 26.0 -1.3 411-1 999.9 99.9 999.9 77.2 93. 999.9 99.9 999.9 79.7 93. 56.2 139.7 18105-1 75.0 -63.5 99.9 279.3 9.0 8.8 -1.5 439.8 999. 9 999. 99.9 99.9 9869 50.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 999.9 99.9 999.9

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99.9

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429 DAYTON. OHIO

TIME	CNTCT	HEIGHT GPM	PRES.	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP	V CCMP	POT T DG K	E POT T	MX RTO GM/KG	RH PCT	HANGE KM	AZ DG
0.0	7.9	298.0	974.1	14.4	13.8	190.0	3.2	0.6	3. 2	291 • 1	317.5	10.2	96.0	0.0	0.
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.9	999.9	-
99.9	994 1	99.9	975.0	99.9	59.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
0.6	10.1	510.6	950.0	14.6	13.3	222.5	13.5	9.1	9. 9	293.3	319.9	10.2	92.1	0.4	3C.
1 = 5	12.2	736.6	925.0	14.3	12.1	233.5	17.1	13.8	10.2	295.2	320.8	9.7	87.4	1.1	42.
2.2	14.5	969.3	900.0	15.2	7.9	241.7	16.6	14.6	7.9	298.1	318.4	7.5	61.8	1.9	
3.0	16.7	1207.3	875.0	. 13.1	6.3	252.9	15.1	14.5	4.5	298.J	317.5	6.9	63.7	2. 6	
3. 9	19.1	1450.4	850.0	11.0	6.1	263.0	15.6	15.5	1.9	298.6	317.7	7.0	71.9	3. 4	60.
4.8	21.4	1699-1	825.0	9.6	3.2	272.1	15.0	15.0	-0.5	299.6	315.8	5.9	64.4	4.1	66.
5.8	23.9	1954.9	600.0	10.0	-2.6	264.1	15.7	15.6	1.6	302.3	313.7	4.0	41.2	4. 9	
6.7	26. 2	2218.3	775.0	8.8	-5.7	262.3	18.7	18.0	2.5	303.6	313.1	3. 2	35.5	5. 8	71.
7.4	28. 5	2488.8	750.0	7:2	-7.4	261.3	21.4	21.1	3. 2	304.8	313.4	2.9	34.4	6.7	
8.4	31.4	2767.0	725.0	5.9	-6.8	256.2	23.2	22.5	5.5	306.4	315.8	3.2	39.4	8.0	74.
9.2	34.1	3053.6	700.0	4 . 2	-5.1	253.9	23.2	22.3	6.4	307.7	318.7	3.7	50.6	9 2	74.
. 10.1	36.6	3348.6	675.0	2.4	-9.7	255.5	22.3	21.6	5. 6	308.6	316.9	2.7	40.7	10.5	74.
11-1	39.3	3652.5	650.0	0 u 1	-13.3	259.4	19.8	19.4	3. 6	309.4	315.9	2.1	35.6	11.7	74.
12.1	41.9	3965.4	625.0	-2.2	-13.3	267.5	17.7	17.7	0.8	310.1	316.9	2.2	42.4	12.8	75.
13.2	44.3	4288.2	600.0	-4.9	-12.6	274.3	18.4	18.3	-1.4	310.7	318.1	2.4	55.3	13.9	
14.4	47.5	4622.2	575.0	-6.6	-7.9	270.1	20.7	20.7	-0.0	312.7	323.7	3.7	90.5	15.1	78.
15.4	50.7	4968.8	550.0	-8.6	-9.9	266.1	24.4	24.3	1.6	314.3	324.3	3.3	90.1	16.6	79.
16.4	53.6	5328.5	525.0	-10.8	-12.1	264.2	25.6	25.4	2.6	315.8	324.6	2.9	89.8	18.1	79.
17.5	56.6	5702.1	500.0	-13.4	-14.8	262.4	28.0	27.7	3.7	317.0	324.5	2.4	88.8	19. H	40.
18.6	59.9	6090.5	475.0	-16.2	-18.0	267.9	21.5	21.3	2.7	318.1	324.3	1.9	85.8	21.6	90.
20.0	63.3	6495.8	450.0	-19.0	-20.9	262.3	22.1	21.9	3.0	319.5	324.7	1.6	94.8	23. 2	
21.3	66.4	6919.2	425.0	-21.9	-24.2	260,8	21.2	20.9	3.4	321.0	325.2	1.3	81.8	25. 0	
22.7	70.0	7362.1	400.0	-25.6	-28.3	267.0	20.7	20.7	1.1	321.8	324.9	0.9	77.8	26. 7	
24.3	73.5	7827.4	375.0	-29.0	-33.7	269.6	27.4	27.4	0.2	323.2	325.3	0.6	63.9	29.0	
25.8	77.3	8317.4	350.0	-32.7	-39.3	273.9	28.4	28.4	-1.9	324.7	326.0	0.4	51.1	31.6	
27.6	61.2	8834.5	325.0	-37.0	-43.7	272,7	33.6	33.6	~1.6	325.6	326.5	0.2	49.6	34 . 6	
29.2	85.3	9383.0	300.0	-41.8	99.9	271.9	36.3	36.3	-1.2	326.4	999.9	99.9	599.9	34. 3	84.
31.0	85.5	9966.7	275.0	-46.6	99.9	269.7	40.6	40.6	0.2	327.7	999.9	99.9	999.9	42.1	44.
33.0	94.2	10591.3	250.0	-52.2	99.9	267.6	43.1	43.1	1.5	328.5	999.9	99. 9	999.9	47.2	
35.2	99.0	11264.8	225.0	-58.0	99.9	265.6	49.7	49.6	3.8	329.6	994.9	99.9	999.5	53.3	
37.5	104.0	11996.3	200.0	-63.9	99.9	264.0	50.0	49.7	5. 2	331.5	999.9	99.9	999.9	6C . 3	
40.0	109.8	12815.7	175.0	-63.7	99.9	283.9	29.4	28.6	-7.1	344.9	999.9	99.9	999.9	66.2	
43.0	115.6	13769.3	150.0	-59.4	99.9	275.4	30.6	30.5	-2.9	367.5	999.9	99.9	.999.9	71.1	87.
47.0	122.7	14920.4	125.0	-56.9	99.9	271.3	24.6	24.0	-0.6	391.9	999.9	99.9	999.9	77.7	
51.6	130.3	16327.7	100.0	-58.9	99.9	269.0	29.6	29.6	0.5	414.0	999.9	99.9	999.9	84.1	88.
57.0	130.7	18111.0	75+0	-64.1	99.9	272.1	9.8	9.8	-0.4	4 38. 5	999.9	99.9	999.9	86.3	
64+4	147.5	20641.9	50.0	-50.9	99.9	301,2	1.4	1.2	-0.7	504.6	999.9	99. 9	999.9	90. 8	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99969	99.9	999.9	999.9	

<sup>#</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG # BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED ## BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433 SALEM. ILL

24 APRIL 1975 1204 GMT

138 669 0

TIME	CNTCT	HEIGHT GFM	PRES	TEMP DG C	CEW PT	DIR	SPEED M/SEC	U COMP M/56C	V CEMP M/SEC	POT T	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	A Z D G
0.0	5. 7	175.0	988.0	14.4	14.4	160.0	3.6	-1.2	3.4	289.9	316.9	10.5	100.0	<b>0.</b> 0	٥.
99.9	99.9	99.9	1009.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
0.3	6.8	287.5	975.0	15.0	13.2	89.9	9.8	-9.8	-0.0	291.6	317.2	9.9	86.8		359.
1.0	8. 9	508.3	950.0	15.8	10.8	84.6	7.7	-7.7	-0.7	294.4	317.2	8.6	72.2		
1.7	10.9	735.1	925.0	15.1	9.6	43.5	4.0	-2.7	-2.9	295.8	317.7	8.2	69.8		240.
2.4	13.2	967.2	900.0	14.2	8.6	354.3	6.8	C.7	-6.7	297.2	318.2	7.8	68.7		25%
3.1	15.4	1205.2	875.0	13.3	6.8	349.1	11.7	2.2	-11.5	298.5	317.9	7.1	64.9		21 6.
3.9	17.5	1448.8	850.0	12.0	5.4	354.2	13.1	1.3	-13.0	299.6	317.9	6.6	63.8	1.1	198.
4.7	19.9	1699.3	825.0	10.0	4.3	348.6	12.5	2.5	-12.3	300.0	317.4	6.3	67.4	1.7	189.
5.4	22.1	1953.7	800.0	8.4	4.6	332.3	9.3	4.3	-8.2	300.9	319.4	6.7	77.2	, 2. 2	183.
6,2	24.6	2215.8	775.0	6.7	6.2	285.5	8.0	7.7	-2.2	302.1	323.4	7.7	96.7	2.5	177.
7.0	26 <sub>e</sub> 9	2485.0	750.0	5.5	5.2	259.0	12.8	2 2 . 6	2.4	303.5	324.1	7.4	97.7	2.5	164.
8.2	29.4	2762.2	725.0	4-1	. 3.5	255.3	17.8	17.2	4.5	304.8	324.0	6.8	96.1	2.7	141.
9.2	32.0	3047.4	700.0	2.6	2.1	253.9	20.7	19.8	5.7	306.2	324.4	6.4	96.5	3, 4	
10.1	34.7	3341.5	675.0	1.0	0.6	249.3	22.4	20.9	7.9	307.5	324.5	6.0	97.3		110.
11.2	37.2	3644.7	650.0	-0.3	-0.6	247.1	24.9	23.0	9.7	309.4	325.7	5.6	97.5	5.4	
12.1	39.9	3758.1	625.0	-2.0	-2.4	246.9	26.5	24.4	10.4	310.8	325.8	5.1	96.6	6. 7	
13.1	42.6	4251.6	600.0	-4.8	-9.8	246.B	28.5	26.2	11.2	311.0	320.1	3 · Q	67.8	8. 2	84.
14.1	45.5	4615.3	575.0	-7.1	-14.0	245.5	28.9	26.3	12.0	311.9	318.9	2 • 3	57.9	10.0	94.
15.2	48.4	4961.0	550.0	-8.9	-16.4	247.0	29.0	26.7	11.3	313.7	319.8	1.9	54.6	11.7	91.
16.2	51.1	5319.7	525.0	-11.4	-20.5	248.5	30.3	28.2	11-1	314.8	319.3	1,4	46.7	13.6	79.
17.3	54.3	5692.5	500.0	-13.7	-29.4	248.7	30.0	27.9	10.9	316.4	315.7	0.7	25.7	15.5	78.
18.5	57. 3	6080.7	475.0	-15.7	-30.1	251.0	27.4	25.9	8.9	318.6	321.0	0.7	30.4	17.5	77.
19.8	60.7	6487.2	450.0	-17.9	-23.0	255.0	28.5	27.5	7.4	320.8	325.2	1.3	64.6	19.7	76.
21.2	64.1	6912.3	425.0	-21.0	-25.7	254.1	27.9	8.15	7+7	322.1	325.8	1.1	65.7	22.0	76.
22.5	67.6	7357•7	400.0	-24.0	-27.9	253.2	26.5	25.3	7.6	323.8	327.1	1.0	69.3	24.1	76.
23. A	71.0	7825.3	375.0	-27.7	-32.7	252.0	23.4	22.2	7.2	325.0	327.2	0.6	62.0	26. 2	7 t .
25.1	74.9	8317.9	350.0	-31.5	-36.0	255.6	23.9	23.1	5.9	326.3	328.0	0.5	63.8	27. 8	7ۥ
26.7	79.0	8837.8	325.0	-35.8	-40.6	254.6	22.6	21.6	6.0	327.3	328.5	0.3	60.9	30.1	76.
28.4	63.0	9388.8	300.0	-40.6	99.9	999.9	99.9	99.9	99.9	328.2	999.9	99.9	999.9	999.9	
30 - 1	87.2	9975.5	275.0	-45.2	99.9	999.9	99.9	99.9	99. 9	329.7	999.9	99.9	99 9. 9	999. 9	
32.0	92.0	10603-1	257.0	-61.2	99.9	999.9	99.9	99.9	99.9	330.0	999.9	99.9	999.9	999. 9	
34-1	96.8	11278.4	225.0	-57.6	99.9	999.9	99.9	99.9	99.9	330.2	999.9	99.9	999.9	999. 9	
36.4	102.0	12011.4	200.0	-63.1	99.9	999.9	79.9	99.9	99.9	332. €	9¢9.• 9	99.9	999.9	999.9	
39. 1	107-8	12829.0	175.0	-64.1	99.9	999.9	99.9	99.9	<b>99.9</b>	344.2	999.9	99.9	999.9	999.9	
42.3	114.0	13792.7	150.0	-57.9	99.9	999.9	99.9	99.9	99.9	370.4	999.9	99.9	999.9	999.9	
46.0	121.0	14937.0	125.0	-60.7	99.9	999.9	99.9	99.9	99.9	385.1	999.9	99.5	999.9	999.9	
50 . 6	129.0	16332.7	100.0	-58.4	99.9	999.9	99.9	99.9	99.9	415.0	999.9	99.9	999.9	999.9	
55. 9	128.3	18110.1	75.0	-63.6	99•9	999.9	99.9	99.9	99.9	439.7	999.9	99. 9	999.9	999.9	
99.9	59.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	99.9	99.9	25.0	99•9	99.9	99•9	99.9	99.9	99.9	99.9	969.9	99.9	999.9	999.9	<b>7770</b>

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 451 DODGE CITY. KAN

24 APRIL 1115 GMT

153 13. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED M/SEC	U COMP M/SEC	V CCMP	POT T	E PUT T	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
0.0	13. €	791.0	915.3	14.4	12.8	30.0	7.2	-3.6	-6.2	296.3	323.3	10.2	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99. 9	99.9	975.0	99.0	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	939.
99.9	99. 9	90.9	950.0	99.9	99.9	99.9	99.9	99.9	. ¢9.9	99.9	999.9	99.9	999.9	999. 9	
99.7	99.9	99.9	925.0	99.9	59.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999• 9	
0.5	15.1	934.0	900.0	14-1	10.6	42.6	9.6	-6.5	-7.1	297.2	321.2	9.0	79.4		212.
1.4	17.3	1171.7	875.0	15.6	-11.3	29.2	7.2	-3.5	<b>~6.</b> ∃	300.3	305+8	1.8	14.6		216.
2.3	19.9	1419.8	850.0	19.5	-16.8	6.0	6.3	-0.7	-6.3	306.7	310.0	1.0	6.3	1.0	
3.2	22.2	1675.5	825.0	18.5	-38.6	342.6	7.8	2.3	-7.5	308.2	308.7	0.2	1.0		200.
4.0	24. 8	1937.5	800.0	16.4	-37.5	331.6	8.3	3.9	-7.3	308.6	,309.3	0.2	1.3		
4.9	27.1	2205.3	775.0	13.5	-30.9	324.9	6.8	5.1	-7.2	308.4	309+6	0.4	3.0		181.
5.8	29. 3	2479.6	750.0	11.1	-28.8	323.4	9.0	5.4	-7.2	308.7	310.3	0.5	4.3		174.
6.8	32.6	2760•7	725.0	8.5	-25.2	315.4	7.7	, 5• <b>4</b>	<b>-5</b> •.5	308.9,	311.1	0.7	7.0		
7.7	35. 3	3049.1	700.0	5.9	-24.0	308.7	7.4	5.7	-4.6	309.1	311.7	0.8	9.4		
8.5	38. 3	3344.9	675.0	3.3	-25.1	292.5	6•7	6.2	-2.6	309.5	311.9	0.7	10.2		159.
9. 9	40.8	3649.6	650.0	1.1	-25.5	254.3	6.3	6.1	1.7	310.3	312.7	0.7	11.6	3. 7	
10.8	43.7	3963.2	625.0	-1.7	-24.1	241.3	7.6	6.9	3. 7	310.6	313.4	0.9	16.0		
11.8	46.5	4286.0	600.0	-4.8	-24.6	243.3	9.5	8.5	4.3	310.6	313.4	0.9	19.4		140.
12.9	49.9	4618.9	575.0	-7.7	-24.0	250.7	13.1	12.4	4.3	311.1	314.2	1.0	2506	4.0	
13.9	52.7	4963.4	550.0	-10.0	-23.1	250.8	16.2	15.3	5 <b>.</b> 3	312.3	315.8	1.1	33, 3		
15.2	55. 9	5320.8	525.0	-12-1	-38.2	246.7	17.5	16.0	6.9	313.9	314.8	0.3	9. 3		110.
16.4	59.1	5691.8	500.0	-15.0	-35.0	244.0	17.7	15.9	7.7	314.7	316.1	0.4	16.2	6.5	
17.6	€2.6	6077.4	475.0	-17.9	-43.0	249.4	19.8	18.5	7. C	315.8	316.5	0.2	8.9	7. 6	90.
19.0	65.9	6480.0	450.0	-20.2	-35.9	247.4	23.2	21.4	8.9	317.8	319.2	0.4	23.1	9.3	91.
20.5	69.6	6900.2	425.0	-24. i	-34.7	245.6	25.9	23.6	10.7	310.1	319,7	0.5	37.0	11.3	86.
21.9	73.2	7338.7	400.0	-28.5	-34.1	242.6	28.2	25.0	13.9	31709	319.7	0.5	58.2	13.5	<b>53</b> •
23.4	77.2	7797.9	375.0	-31.6	-35.8	246.4	30.0	27.5	12.0	319.7	321 • 4	0.5	66.0	15.8	80.
24.9	81. 3	8281.7	350.0	-35.9	-40.3	247.0	33.8	31.1	13.2	320.3	321.5	0.3	63.6	18.9	78.
26.6	65.1	8792.2	325.0	~39.7	99.9	247.0	32.1	. 29.5	12.5	321.9	999.9	99.9	999.9	21.9	76.
28.2	89.4	9334.2	300.0	-44.3	99.9	251.8	38.4	36.5	12.0	322.9	999.9	99.9	999.9	25. 4	75.
30.0	94.2	9911.7	275.0	-48.6	99.9	253.7	40.5	38.8	11-4	324.9	999.9	99.9	999.9	29.5	75.
32.0	99.0	10532.9	250.0	-52.5	99.9	258.3	40.6	45.6	9.5	328.0	999.9	99.9	999,9	35.0	75.
34.2	104.0	11207-1	225.0	-5607	99.9	260.6	52.3	51.6	5.6	331.6	999-9	99•9	999.9	41.0	76.
36.6	109. 3	11947.4	200.Ò	-60.2	99.9	259.6	48.8	46.0	8.6	337.5	999.9	99.9	999.9	48. B	76.
39 • 2	115.5	12777.3	175.0	-60.4	99.9	257.9	43.1	42.2	9-1	350.3	999.9	9949	999.9	55.7	77.
42.2	- 122.0	13744.7	150.0	-56.9	99.9	245.2	30.9	28.0	13.0	372.1	999.9	99.9	999.9	61.7	77.
46.2	129.3	14900.0	125.0	-56.8	99.9	249.8	23.2	21.8	8.0	392.1	999.9	99.9	999.9	70.2	76.
51.0	136.8	16303.1	100.0	-60.1	99.9	249.8	25.3	23.7	8.7	411.6	999.9	99.9	999.9	77.1	76.
57.4	144.3	18097.9	75.0	-59.8	99.9	264.4	16.1	16.1	1.6	447.6	999.9	99.9	999.9	85. 5	76.
65.9	152.7	20636.8	50.0	-56.2	99.9	245.3	6.7	6+1	2.8	511.2	999.9	99.9	999.9	69. 3	76.
78.0	161.0	25103.6	25.0	-50-5	99.9	71.5	8.9	-8,5	-2.8	63964	999.9	99.9	999.9	92.4	77.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NC. 456 TOPEKA. KAN

# 24 APRIL 1975

1115 GMT	-	164	21.	G.

TIME	CNTCT	HE I GHT GPM	PRES MB	TEMP	DEW PT	DIR	SPEED M/SEC	U COMP	V CCMP M/SEC	POT T	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG	
															_	
0.0	6.7	268.0	975.5	16.1	13.9	100.0	.5+2	-5-1	C. 9	292.7	319.6	10.3	87.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9			
0.0	6. 7	272.4	975.0	16.0	13.6	99.2	6.2	-6.2	1.0	292.6	319.0	10.1	85.4			
0.7	9.0	493.2	950.0	15.3	10.7	94.9	13.3	-13.2	1.1	293.9	316.5	8.6	74.3			
1.3	11.1	719.8	925.0	16.5	7.5	88.9	13.5	-13.5	-0.2	297.1	316.2	7.1	55.3			
2.2	13.5	952.9	900.0	15.1	5.9	82.7	9.5	-9.4	-1.2	298.0	315.6	6.5	54.1		270.	
3.0	15.7	1191.2	875.0		5.3	92.4	6.6	-6.6	0.3	299.2	316.7	6.4	55.7			
3.7	16.0	1435.2	850.0	12.8	5-1	116.2	1+1	-1.0	0.5	300.4	318.3	6.5	59•4 55•3			
4.6	20.4	1686.0	825.0	12.2	3.5	281.6	4.6	4.5	-0.9	302.3	319.0	6.0	64.7	. 2. 0 1. 7		
5.4	22.8	1943.6	800.0	10.6	4.2.	275+8	7.4	7.3	-0.7	303.3	321.4	6.5	83.B			
6.2	25-3	2207.3	775.0	8.0	5.4	280.2	8.9	8.8	-1.6	303.3	323.6	7•3 7•4	93.0			
7.3	27.7	2477.7	750.0	6.1	. 5-1	301.0	10.9	. 9.3 14.3	-5.6 -3.5	304.2 305.0	324•7 321•9	6.0	82.5		193.	
8.2	30.4	2755.3	725.0	4.3	1.6	283.6 271.3		18.8	±0.4	306.4	316.8	4.3	63.3		125.	
9.2	33.1	3040.8	700.0	3.0	-3.3 -5.4	283.4	18.8 17.3	16.8	-4.0	306.9	317.9	3.8	63.7		112.	
10.2	35.7	3334.5	675.0	0.6	-10.5	285.1	18.6	18.0	-4.8	307.8	315.7	2.6	49.3		111.	
11.1	36.4	3636.7	650.0	-1.3	-14-6	260.0	20.9	20.5	-3.6	308.6	314.7	2.0	4801		109.	
12.1	41.1	3947.9	625.0	-3.6				21.7	-2.2	308.7	314.0	1.7	*352		106.	
13.1	44-1	4269.0	600.0	-6.6	-16.7	275.9 274.9	21.8 22.3	22.3	-1.9	308.8	313.7	1.6	40e7			
14.2	47.1	4599.7	575.0	-9.7	-18.4		21.7	21.6	-1.7	309.0	313.6	1.5	5 F & C		102.	
15.2	50.0	4940.9	550.0	-12.8	-19.6	274.5	22.6	22.4	2.7	311.5	315.6	1.3	56,2		101.	
16.3	53.0	5294.5	525.C	-14.2	-21.4	.263•2 250•4	27.4	25.8	9. 2	315.3	319.0	1.1	45.6	11.4	97.	
17.5	56-1	5665-1	500.0	-14.6	-23.7			27.1	10.1	316.4	319.3	0.9	41.7	13.3	92.	
18.7	59.5	6051.5	475.0	-17.4	-27.3	249.6	28.9	26.6	10.0	318.0	319.5	0.4	25.0	15.3	89.	
20.0	63.0	6454.5	450.0	-20-1	-35.0	249.4	28.4	24.2	10.6	318.6	319.9	0.3	23.8	17.4	87.	
21.4	66.4	6875.4	425.0	-23.5	-38.4	246.3	26.4 27.8		9.3	321.0	321 - 8	0.2	20.1	19.8	84.	
23.0	70-1	731665	400.0	-26.1	-42.2	250.5		26.2		321.7	322.4	0.2	21.6	22.2	_	
24.5	73.9	7779.8	375.0	-30.1	-45.0	250.5 247.4	27-1	25.6	9•0 10•3	322.9	323.5	6.1	23.2	25.3	81.	
26.3	77.8	8267.2	350.0	-33.9	-47.7		26.9	24.8 23.2		323.7	999.9	99.9	999.9	28. 1	80.	
28.2	61.8	8781.7	325.0	-36.4	99.9	244.9	25.6		10.0	324.8	999.9	99.9	999.9	31.3	70.	
30.2	86.2	9326.5	300.0	-43.0	99•9	241.2 236.1	26.8	23.5 21.2	12.9		999.9	99.9	999.9	34.2	76.	
32.2	90.8	9907.2	275.0	-47.8	99.9	241.1	25.5	25.8	14.2 14.2	326.1 328.3	\$99 <b>.</b> 9	99.9	999.9	37.7	75.	
34.3	95.7	10529.7	250.0	-52-3	99.9		29•5			330.8	99969	99.9	999.9	41.5	73.	
36.7	100.5	11203.6	225.0	-57.3	99.9	240.2	27.9	24.2 23.8	13.9 17.4	335.3	999.9	99.9	999.9	46. 2	72.	
39.3	106.7	11940.4	200.0	-61.5	99.9	233.9 252.2	29•5 36•9	35.1	11.3	343.6	999.9	99.9	999.9	51.1	70.	
41.5	112.8	12762.2	175.0	-64.5	99.9	253-1	31.5	30.1	9. 1	366.2	999.9	99.9	999.9	58.3	71.	
45.2	119.5	13718.8	150.0	-60.3	99•9						999.9	99.9	999.9	65. 7		
49.0	127.3	14861.6	125.0	-59.0	99.9	256.9	32.9	32.1 18.9	7 • 4 5 • 4	388.1 425.1	999.9	99.9	999.9	72.3	72.	
53.1	135.7	16287.8	100.C	-53.1	99.9	254+1	19.6			441.6	999.9	99.9	999.9	76.1	73.	
59.0	144.7	18090.0	75.0	-62.7	99.9	280.8	14.0	13.8	-2.6	509.2	666-8	99.9	999.9	79. 7		
67.1	155.5	20626.2	50.0	-57.0	99.9	263.2	8.9	6.6	1.0	643.6	999.9	99.9	999.9	81.2		
78.6	167.0	25087.6	25.0	-49-1	99.9	32.8	3.1	-197	-2.6	04300	22262	7707	22267	D46.4	7 40	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 486 FORT TOTTEN. N Y

151 23. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	· V CCMP	POT T	É POT T	MX RTO	RH	RANGE	4.7
MIN	CRICI	GFM	MB	DGC	DG C	DIR	MISEC	M/SEC	M/SEC	DG K	DGK	GM/KG	PCT	KANGE	AZ DG
WT.W		GFM	MD	DG C	DG C	DG	#73EC	MYSEC	M/ SEC	, DG K	DG K	GHYKG			00
0.0	4.6	8.0	1014.1	11.2	11.2	999.9	99.9	99.9	55.5	284.3	305.3	8.3	100.0	999. 9	999.
0.4	5.6	125.4	1000.0	11.0	10.8	999.9	99.9	99.9	59.9	285.3	306.1	8.2	98.3	999. 9	999.
1.1	7.6	337.3	975.0	12.2	11.9	999.9	99.9	99.9	99.9	288.6	311.9	9.1	98.5	999.9	999.
2.0	S. 5	. 556.5	950.0	14.0	8.9	999.9	99.9	99.9	99.9	292.4	312.5	7.6	71.5	999. 9	999.
2.7	11.7	781.3	925.0	12.6	7.8	999.9	99.9	99.9	99.9	293-1	312.2	7.2	72.7	999. 7	999.
3.6	13.9	1010.7	900.0	10.5	8.0	999.9	99.9	99.9	99.9	293.3	313.3	7.5	84.9	999• 9	999.
4.5	15.9	1244.8	875.0	8.5	7.4	999.9	99.9	99.9	99.9	293.5	313.3	7.4	93-1	999. 5	999.
5.2	16.1	1485.2	850.0	6.5	5.5	999.9	99.9	99.9	99.9	295.9	314.1	6.7	81.7	999. 9	999.
6.2	20.3	1731.8	825.0	6.7	4.3	999.9	99.9	99.9	99. 9	296.5	313.7	6.3	84.8	999. 9	<b>993</b> °
7.1	22.5	1984.2	800.0	5.2	3.3	999.9	99.9	99.9	99.9	297.5	314.1	6.1	87.4	999.9	999.
8 • 1	24.9	2243.1	775.0	3.4	0.3	999.9	99.9	99.9	99.9	298.1	312.1	5.1	79.9	9 <b>99.</b> 9	979.
8.9	27.0	2509.6	750.0	3.8	-2.7	999.9	99.9	99.9	99.9	301.3	313.2	4.2	62.2	999. 9	999.
9.9	29.5	2784.2	725.0	1.7	-5.0	999.9	99.9	99.9	99.9	301.7	312.2	3.6	61.0	999.9	
10.8	32.0	3066.0	700.0	-0.6	-6.0	999.9	99.9	99.9	99.9	302.2	312.3	3.5	66.9	399° 3	
11.9	34.6	3356.5	675.0	-1.7	-11.0	999.9	99.9	99.9	99.9	304.1	311.4	2.4	48.8	999. 3	
13.1	36.9	3656.6	650.0	-2.3	-28.3	999.9	99.9	99.9	99.9	306.4	308.3	0.6	11.4	999. 9	
14.1	39.6	3966.3	625.0	-5.0	-26.7	999.9	99.9	99.9	99.9	306.8	309.0	0.7	16.3	999. 9	997.
15.3	42.1	4285.3	600.0	-7.6	-25.5	999.9	99.9	99.9	99.9	367.4	309.9	0.8	22.1	999. 9	
16.4	44.9	4615.2	575.0	-9.8	-31.4	999.9	99.9	99.9	<b>99.9</b>	308.6	310.2	0.5	15.2	999.9	
17.6	47-7	4957,2	550 <sub>0</sub> 0	-11.5	-38.1	999.9	99.9	99.9	99.9	310.4	311.3	0.3	8.9	999.9	
18.8	50.5	5311.9	525.0	-14.0	-39.8	999•9	99.9	99.9	99.9	311.5	312.3	0.2	9.2	999. 9	
20 • 1	53+4	5681.3	500.0	-15.3	-46.5	999.9	99.9	99.9	99.9	314.4	314.8	0.1	4.9	999.9	
21.4	5¢. 3	6066.9	475.0	-17-8	-47.9	999.9	99.9	99.9	99.9	315.9	316.3	0.1	5.1	999. 9	
22.7	59.4	6468+7	450.0	-21.2	-49.5	999.9	99.9	99.9	99.9	316.6	316.9	0-1	5.7	999.9	
24.1	62.7	6887.8	425.0	-24.2	-50-1	999•9	99.9	99.9	99.9	318.0	318.3	0.1	7.0	999.9	
25. 5	65.9	7327.4	400.0	-27-1	-50.3	999.9	99.9	99.9	99.9	319.8	320.1	0.1	8.9	999.9	
27.2	69.4	7789.7	375.0	-30.1	-48.5	999.9	99.9	99.9	97.9	321.7	322.2	0.1	14.5	999. 9	
28.7	72.9	8276.7	350.0	-34.5	-50.8	995.9	99.9	99.9	<b>99.9</b>	322.2	322.6	0.1	17.0	999. 9	
30 • 4	76.7	8789.9	325.0	-39.2	-53.2	999.3	99.9	99.9	99.9	322.5	322.8	0.1	20.7	599 <b>.</b> 5	
32.2	ec. 6	9332.3	300.0	-44.4	99.9	999.9	99.9	99.9	99.9	322.8	999.9	99.9	999.9	999.9	
33.9	84.7	9908.6	275.0	-49.5	99.9	999.9	99.9	99.9	99. 9	323.6	999.9	99.9	999.9	999. 9	
36.1	89.0	10525.3	250.0	-54.7	99.9	999.9	99.9	99.9	99.9	324.8	999,9	99.9	999. 9	999. 9	
38 • 3	93.8	11192.3	225.0	-59.7	99.9	999.9	99.9	99.9	99.9	327.1	999.9	99.9	999.9	999.9	
41.0	98.8	11930.5	200.0	-58.6	99.9	999.9	99.9	99.9	99.9	340.0	999.9	99.9	999.9	999. 9	
43.5	104.0	12758.6	175.0	-64.6	99.9	999.9	99.9	99.9	99.9	343.3	999.9	99•9	999.9	999• 9	
46.4	110.2	13695.2	150.0	-60.3	99.9	999.9	99.9	99.9	99 <b>.</b> 9	366.2	999.9	99.9	999.9	999.9	
49.9	116.8	14849.4	125.0	-54.7	99.9	999.9	99.9	99.9	99.9	395.9	999.9	99.9	999.9	999. 9	
54.2	125.0	16261.9	100.0	-58.0	99.9	999.9	59.9	99.9	99.9	415.7	999.9	99.9	999.9	999.9	
59.7	133.7	19064.8	75.0	-60.8	99.9	999.9	99.9	99.9	99. 9	445.6	999.9	99.9	999.9	999. 9	
67.0	143.0	23616.6	50.0	-56.0	99.9	999.9	99.9	99.9	99.9	511.5	999.9	99.9	999.9	999. 9	
78.3	153.3	25077.1	25.0	-52-3	99.9	999.9	9619	99.9	99.9	634.9	999.9	99.9	999.9	999. 9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 518 ALBANY. N Y

24 APRIL 1975 1115 GMT

161 22. 0

	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	BM	DG C	DG C	DG	M/SEC	M/SEC	. M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	5. 9	86.0	1002.9	8.0	6.5	170.0	5.2	-0.9	5. 1	281.7	297.2	6.1	90.0	0.0	0.	
	0.3	6.0	109.9	1000.0	6.3	6.2	173.4	11.5	-1.3	11.4	282.3	297.6	6.0	86.5		346.	
	1.0	8.4	318.4	975.0	6.4	5.8	181.2	11.3	0.2	11.3	282.4	297.6	5.9	95.5	0.5	351.	
	1.8	1C. 7	533.3	950.0	9.4	8.0	217.0	9.9	6.0	7.9	287.7	300.2	7.1	90.9	1.0	3.	
	2.7	13.1	754.7	925.0	8.8	7.6	238.1	13.8	11.7	7.3	289.3	307.9	7.1	92.0	1.5	21.	
	3.4	15.5	981.6	900.0	7.6	6.8	255.0	15.2	14.7	3. 7	290.3	308.5	6.9	94.5	2.0	33.	
٠	4.3	17.9	1213.9	875.0	7.7	6.9	271.2	17.8	17.8	-0.4	292.7	311.8	7.2	94.6	2. 6	49.	
	5.1	20.4	1453.7	850.0	7.4	6.6	286.9	14.3	13.7	-4.2	294.9	314.2	7.2	94.8	3. 2	60.	
	6.2	22.9	1699.4	825.0	6.0	5.2	278.1	14.2	14.0	-2.0	295.8	314.0	6.7	94.8	3.8	<b>€9</b> •	
	7.1	25. 5	1951.5	800.0	4.9	4.0	271.4	13.6	13.6	-0.3	297.2	314.6	6.4	94.0	, 4. 6	73.	
	8.1	28.1	2210-1	775.0	3.3	2.3	272.6	12.3	12.3	-0.6	298.1	314.2	5.9	93.4	5. 3	76.	
	8.9	30.9	2475.5	750.0	1.4	0.5	268.3	12.4	12.4	. 0.4	298.8	313.5	5.3	94.0	5.8	78.	
	9.6	33.6	2748.3	725.0	-0.3	-1-1	264.7	1103	11.3	1.0	299.7	313.3	4.9	94.1	6.4	76.	
	10.7	36.2	3028.3	700.0	-2.1	-8.5	266.7	11.5	11.4	0.7	300.5	308.9	2.9	61.2	7.1	79.	
	11.7	39.2	3317.5	675.0	-2.2	-12.4	274.7	14.6	14.6	-1.2	303.5	310.1	2.2	46.0	7. 8	80.	
•	12.7	41.9	3616.4	650.0	-3.8	-27.7	280.0	18.3	18.0	-3.2	304.€	306.7	0.6	13.5	8. 8	82.	
٠.	13.9	44.9	3924.6	625.0	-6.0	-26.5	281.7	19.7	19.2	-4.0	305.6	307.9	0.7	18.0	10.0	84.	
	14.9	48.0	4242.8	600.0	-7.9	-30.6	282.6	20.5	20.3	-4.5	307.0	308.7	0.5	14.0	11.3	86.	
	16.2	50.9	4571.7	575.0	-10.4	-32.6	278.0	22.1	21.9	-3.1	307.8	309.2	0.4	14.2	13.0	88.	
	17.3	54.0	4912.4	550.0	-12.1	99.9	278.9	22.1	21.8	-3.4	309.8	999.9	99.9	999.9	14.4	89.	
	18.5	57.0	5266.9	525.0	-14-0	99.9	279.2	25.4	25.1	-4.1	311.6	999.9	99.9	999.9	16.0	90.	
	19.8	60.3	5635+5	500.0	-16.5	99.9	280.1	26.3	25.9	-4.6	312.9	999.9	99.9	999.9	18.0	91.	
	21.2	£3.7	6019.2	475.0	-19.5	99.9	280.4	27.3	26.8	-4.9	313.8	999.9	99.9	999.9	20.1	32.	
	22.5	67.0	6418.6	450.0	-22-1	99.9	277.6	31.5	31.2	-4.2	315.5	999.9	99.9	999.9	22.5	93.	
	24.0	70.6	6836.9	425.0	-24.8	99.9	272.0	29.5	29.5	-1.0	317.2	999.9	99.9	999.9	25.4	93.	
	25.7	74.3	7274.8	400.0	-28.4	99.9	273.2	30.2	30.1	-1.7	318.1	999.9	99.9	999.9	28.3	93.	
	27.4	78.2	7734.2	375.0	-32.4	99.9	280.7	25.6	25.2	-4·8	318.8	999.9	99.9	999.9	31.2	93.	
	29.2	82.1	8215.1	350.0	-37.0	99.9	282.2	27.9	27.3	-5.9	318.9	999.9	99.9	999.9	33. 8.	94.	
	8.05	86.0	8723.9	325.C	-40.9	99.9	280.2	33.1	32.6	-5.9	320.3	999.9	99.9	999.9	36. 7	95.	
	32.9	90.6	9262.5	300-0	-45.7	99.9	282.4	40.1	39.2	-8. ó	321.0	999.9	99.9	999.9	41.3	95.	
	34.8	95.2	9835.7	275.0	-50.6	99.9	285.7	48.1	46.3	-13.0	322.0	999.9	99.9	999.9	46.3	96.	
	36.8	100.0	10450.8	250.0	-54.8	99.9	289.7	62.1	58.4	-21.0	324.7	999.9	99.9	999.9	52. 8	98.	
	39.3	105.0	11121-1	225.0	-57.6	99.9	295.0	69.9*	63.4	-29.6	330.3	999.9	99.9	999.9	62.1	100.	
	41.7	110.6	11863.4	200.0	-59.3	99. 3	300.9	45.2*	38.8	-23.2	338.9	999.9	99.9.	999.9	70.8	102.	
	44.5	116.5	12690.8	175.0	-64.1	99.9	277.4	33.3*	33.0	-4.3	344.2	999.9	99.9	999.9	76.5	103.	
	47.9	123.3	13647.4	150.0	-56.5	99.9	282.5	32.5*	31.7	-7.1	372.7	999.9	99.9	999.9	83.6	103.	
	51.6	130.3	14811.9	125.0	-55-5	99.3	290.5	18.0*	16.9	-6.3	394.5	999.9	99.9	999.9	91 . 2	103.	
	56.4	138.0	16233.3	100.0.	-55.7	59.9	284.1	17-1+	16.6	-4.2	420.0	'99 <b>•9</b>	99.9	999.9	97.0	103.	
	62.6	145.8	18050-6	75.0	-58-5	99.9	316.5	12.24	8.4	-8.9	450.4	999.9	99.9	999.9	101.7	104.	
	70.8	154.5	23625.1	50.0	-55.7	99.9	10.5	3.1	-0.6	-3.1	512.4	999.9	99.9	999.9	103.6	105.	
	82.5	163.7	25087.9	25.0	-51.2	59.9	49-1	3.7	-2.8	-2.4	637.8	999.9	99.9	999.9	104.9	106.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION ND. 520 PITTSBURG. PA

158 17. 0

			and the second second											-		
T	IME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEFD	U COMP	V CC4P	POT T	E POT T	MX RTO	. RH	RANGE	AZ
. : 1	MIN		GPM	MB	DG C	DG C	DG	M/SEC.	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KY	DG
	0.0	8.1	359.0	968.9	12.6	12.0	200.0	7.2	2.5	€. 8	289.5	313.1	9.1	96.0	0.0	0.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
	99.9	59.9	99.9	975.0	` 99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
	0.5	9.5	524.8	950.0	12.3	11.6	206.7	14.1	6.4	12.6	290.9	314.5	9.1	95.8	0.3	22.
	1.3	11.7	749.0	925.0	12.3	11.6	226.1	12.7	9.1	8.8	293.1	317.7	9.4	95.8	0.9	31.
	2.2	13.9	979.0	900.0	11-1	9.1	229.7	11.8	9.0	7.7	294.0	315.4	8.1	87.5	1.4	40.
100	2.7	15.9	1214.3	875.0	10.2	8,8	225.1	15.4	10.9	10.8	295.5	317.3	8.2	90.7	2.0	42.
	3.8	18.3	1455.5	850.0	8.9	6.0	230.0	15.6	12.0	10.0	296.3	315.1	6.9	82.2	2.9	43.
	4.7	20.5	1703.1	825.0	8.6	5.9	238.2	19.7	16.8	10.4	298.6	317.9	7.1	83.1	3. 9	46.
	5.6	22.6	1957.6	800.0	7.4	4.8	245.2	22.4	20.3	9.4	300.0	318.6	6.8	83.4	4.8	49.
	6.5	25-1	2218.8	775.0	5.8	4.2	254.7	24.6	23.8	6.5	300.9	319.4	6.7	89.2	6.1	54.
	7.4	27.3	2486.9	750.0	3.9	2.5	258.6	27.3	. 26.8	5.4	301.6	318.7	6.1	90.8	7.4	58.
	8.3	29. 9	2762.2	725.0	2.0	0.9	262.5	28.6	28.4	. 3 <sub>0</sub> 7	302.4	318.3	5.7	92.2	8. 9	62.
	9.2	32.3	3645.2	7.00.0	0.4	-0.5	263.2	30.3	30.1	3.6	303.6	318.6	5.3	93.7	10.4	65.
	10.2	35.0	3336.5	675.0	-1.4	-2.4	259.9	32.5	32.0	5. 7	304.6	318.2	4.7	92.9	12.2	6 A .
	11.2	37.4	3637.4	650.0	-2.7	-4.0	257.9	34.0	33.3	7 • 1	306.5	319.3	4.4	90.7	14.1	69.
	12.3	40.2	3947.6	625.0	-4.8	-5.9	255.0	34.0	33.0	8.5	307.5	319.0	3.9	91.6	16.3	7C.
	13. 3	42.8	4268.6	600.0	-6.1	-7.2	25364	33.6	32.2	9.6	309.5	320.6	3. 7	92.2	18.4	71.
	14.4	45.7	4600.8	575.0	-8-1	-9.2	249.8	32.1	30.1	11.1	310.9	320.8	3.3	91.9	20.6	71.
	15.5	48.6	4945.4	550.0	-9.9	-11.0	247.5	29.7	27.5	11.4	312.7	321.9	3.0	91.6	22.7	7.1.
	16.7	51.5	5303.7	525.0	-11.3	-12.7	248.8	27.2	25.4	9.8	315.2	323.6	2.7	88.9	24. 7	70.
	17.8	54.6	5676.8	500.0	-13.9	-15.5	252.4	27.6	26.3	8• 3	316.3	323.5	2.3	87.5	26.5	79.
	19.2	57.7	6055.0	475.0	-16.4	-18.2	255.0	29.0	2A.0	7. 5	317.8	323.9	1.9	86.1	28.7	71
	20.3	- 61.0	6469.9	450.0	-19.0	-20.8	255.5	31.6	30.6	7.9	319.5	324.8	1.6	85.3	30. 9	71.
	21.6	64.6	6893.7	425.0	-21.9	-23.4	257.0	28.9	28.2	6.5	321.0	325.5	1.4	87.6	33. 1	71.
	23.0	67.9	7337.3	400.0	-24.9	-26.6	262.0	30.3	30.0	4.2	322.7	326.3	1.1	85.3	35.7	72.
	24.5	71.4	7803.2	375.0	-28.7	-30.8	269-1	28.7	28.7	0.5	323.6	326.3	0.8	82.0	38. 3	73.
	25.9	75.3	8293.6	350.0	-32.6	-36.5	276.1	29.9	29,7	-3.2	324.7	326.4	0.5	68.3	40.5	74.
	27.4	79.5	8810.7	325.0	-37.2	-41.5	277.3	31-1	30.9	-3.9	325.3	326.4	0.3	61.8	43.0	75.
100	29. 1	83.5	9358.3	300.0	-42.1	99.9	280.2	30.7	30.2	-5.4	326.1	999.9	99.9	999.9	45.8	77.
	30.7	87.8	9940.9	275.0	-46.9	99.9	280.4	34.9	34.3	-6.3	327.3	999.9	99.9	999.9	48.9	78.
	32.5	92.6	10564.1	250.0	-52.6	99.9	283.1	38.4	37.5	-8.7	327.9	999.9	99.9	999.9	52.7	80.
	34.4	97.6	11235.0	225.0	-56.6	99.9	283.6	36.8	35.7	-8.6	328.7	999.9	99.9	999.9	56.6	82.
	36.7	103.0	11967.0	200.0	-63.4	99.9	289.5	44.1	41.6	-14.7	332.4	999.9	99.9	999.9	61.8	-84 e
	39.0	109.0	12785.0	175.0	-61.2	99.9	293.5	34.3	31.4	-13.7	349.0	999.9	99.9	999.9	66.3	86.
, to 1	42.0	115.5	13750.5	150.0	-58.9	99.9	293.1	24.0	22.1	-9.4	368.6	999.9	99.9	999.9	71.3	88.
	45.7	123.0	14888.5	125.0	-59.6	99.9	271.0	31.7	31.7	-0.6	387.1	999.9	99.9	999.9	77.2	89.
	49. A	131.0	16293.4	100.0	-56.4	99.9	298.0	22.4	19.7	-10.5	418.8	999.9	99.9	999.9	83.9	90.
	55.1	140.3	18088.1	75.0	-57.8	99.9	307-5	13.6	10.8	-8. J	451.8	999.9	99.9	999.9	89.2	92.
	61.7	150.0	20612.9	50.0	-58.7	99.9	343.7	3.0	0.8	-2.9	505.1	999.9	99.9	999.9	92.4	93.
	71.6	161.0	25021.7	25.0	-52.5	99.9	38.7	3-1	-1.9	-2.4	633.9	999.9	99.9	999.9	92.8	94.

<sup>.</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 528 BUFFALO. N.Y.

24 APRIL 1975 1237 GMT

			and the second second													
TIME	CATCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		<b>G₽</b> ₩	MB	DG C	DG C	ÐG	M/SEC.	M/SEC	M/SL C	DG K	DG K	GM/KG	PCT	. KM	DG	
0.c	6.1	218.0	982.7	11-1	11.1	230.0	6.8	5 • 2	4.4	286.8	308.5	8.5	100.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9	999.	
0.2	6.8	284.0	975.0	12.0	11.7	234.9	15.4	12.6	8.9	268.4	311.2	8.9	97.8	0.3	44.	
1.1	8. 9	502.2	950.0	12.2	11.9	238.9	17.7	15.1	9. 1	290.8	314.9	9.3	97.9	1.0	56.	
1.9	10.9	725.8	925.0	10.8	10.4	246.2	12.9	11.8	5.2	291.5	314.0	8.6	97.1	1.7	59.	
2.9	12.9	954.4	900.0	9.8	9.4	252.9	13.2	12.6	3.9	292.7	314.4	8.2	97.0	2. 5	63.	
3.9	15.1	1168.4	875.0	8.6	7.0	260.1	14.3	14-1	2. 5	293.7	312.9	7.2	89.2	3.3		
4.9	17.0	1428.2	850.0	7.6	5.0	263.9	17.9	17.8	1.9	294.9	312.3	6.4	83.4	4.2		
5.8	19.4	1674.2	625.0	6.4	3.2	260.6	15.8	15.6	2.6	296.1	312.1	5.9	80.0	5 • 1	72.	
7.0	21.5	1926.5	800.0	5-1	2.8	256.9	15.0	14.6	3.4	297.3	313.4	5. 9	85.9	6.2		
5.4	23.8	2185.1	775.0	2.9	1.3	253.7	15.4	14.7	4.3	297.7	312.7	5.4	89.0	7.4	74.	
9.6	26.0	2450.1	750 <b>•0</b>	1-1	-0.4	257.6	15.4	15.0	. 3•3	298•4	312.2	5.0	90.0	8.7	74.	
10.9	20.5	2722.8	725.0	0.1	-1.1	249.8	17.9	16.8	6.2	300.2	313.9	4.9	91.7	9. 9		
12.3	31.0	3003.8	700.0	-0.9	-1.8	244.0	16.3	14.6	7.1	302.1	315.7	4.8	93+3	11-4	73•	
13.7	33• 6	3293.8	675.0	-2.6	-3.5	249.8	17.9	16.8	€. 2	303.3	315.9	. 4.4	93.2	12.7	72.	
15.1	36.0	3593.0	650.0	~3.5	-4.5	256.2	17.4	16.9	4.1	365.5	317.7	4.2	92.6	14.3		
16.4	39.8	3902.9	625.0	-4.4	-5.7	251.0	15.2	14.4	4, 9	308.0	319.7	4.0	90.6	15.5		
17.7	41.4	4223.3	600.0	-7.0	-8.5	250.6	14.6	13.8	4.9	308.4	318.4	3.4	86.6	16.6		
19.1	44-4	4554.6	575+0	-9.0	-10.8	251.8	15.7	14.9	4.9	309.8	318.6	2.9	86.8	17.9		
20.5	47.4	4897.9	550.0	-11.1	-13.1	244.6	16.3	14.8	7.0	311.2	318.9	2.5	84.7	19.3	72.	
22.0	50.4	5254-1	525.0	-13.4	-15.7	244.4	17.3	15.6	7. 5	312.6	319.2	2.1	82.7	20.8	71.	
23.5	53.5	5623.6	500.0	-16.1	-18.8	247.0	17.8	16.4	7.0	313.5	319.0	1.7	80.0	22.4	71.	
25.1	56.6	6008.3	475.0	-18-7	-21.7	248.6	18.6	17.3	6.8	315.0	319.5	1.4	77-1	24.1	71.	
26.7	60.0	6405.2	450.0	-21.4	-24.8	246.5	19.3	17.7	7.7	316.4	320.1	1.1	74.2	25.9		
28.4	63.7	6828-1	425.0	-24.8	-28.8	252.8	22.8	21 .8	6.7	317.3	320.0	0.8	69.0	27.8	79.	
30.0	67.3	7265.6	400.0	-28.9	-35.9	258.9	25.2	24.8	4.9	317.4	318.9	0.4	50.4	30.2		
32.0	71.0	7724.2	375.0	-32.0	-40.2	271.0	26.3	26.3	-0.5	319.2	320.3	0.3	43.3	33.7	72.	
33.7	75.0	9209-1	350.0	-34.3	-43.4	279.9	30.7	30.3	-5.3	322.4	323.2	0.2	39.1	35. 9		
35.6	79.5	8725.8	325.0	-36.8	-46.2	278.9	8.44	44.2	-6.9	325.9	326·6	0.2	36.6	40.2		
37.5	63. B	9274.9	300.0	-41-2	59.9	278.1	47.3	46.9	-6.7	327.3	999.9	99.9	999.9	45.6		
39.5	88.4	9859.6	275.0	-46.3	59.9	280.4	42.9	42.2	-7.8	328.2	999.9	99.9	999.9	50.4		
41.5	93.B	10484.6	250.0	-51.8	99.9	282.4	53.2*	52.0	-11.4	329.1	999.9	99.9	999.9	56.2	83.	
43.7	99.0	11159.5	225.0	-57-1	99.9	280.6	56.9*	55.9	-10.4	330.9	999.9	99.9	999.9	63.1	85.	
46.2	105-0	11895.3	200•0	-62.5	99.9	284.7	61-1+	59-1	-15.5	333.7	999.9	99.9	999.9	71.1	87.	
48.9	111.3	12713.9	175.0	-62.6	99.9	283.9	43.8*	42.5	-10.5	346.7	999.9	99.9	999.9	78. 9		
52.0	118.0	13677.2	150.0	-58.3	99•9	268.5	19.6	19.6	0.5	369.6	999.9	99.9	999.9	85.1	90.	
55.5	125.3	14823.6	125.0	-56.5	99.9	276.0	32.6*	32.4	-3.4	392.7	999.9	99.9	999.9	90.0		
59.5	133.7	16252.6	100.0	-53.7	99•9	319.7	16.0*	10.3	-12.2	424.1	999.9	99. 9	999.9	96.3		
64.9	141.7	18086.5	75+0	-57.5	99.9	308.3	5.7*	4.5	-3.6	452.3	999.9	99.9	999.9	100.2		
72.2	150.0	20631.7	50.0	-56.2	99.9	352.9	5.4	0.7	-5.4	511.2	959.9	99.9	999.9	103.2	-	
99.9	99. 9	99.9	25.0	99.9	99.9	. 99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. PEORIA. ILL

154 22. 0

MIN GFM MB DG C DG C DG M/SEG M/SEC M/SEC  0.0	POT T E POT T DG K DG K	MX RTO RH	MANGE AZ
0.0		GM/KG PCT	
99.9 99.9 90.9 1000.0 99.9 99.9 99.9 99.		- · · · - · · · · · · · · · · · · · · ·	KM DG
002 609 27905 97500 1400 1302 23060 1305 1105 700 0.8 9.2 49904 95000 1402 1302 23708 1209 1009 609 105 2503 72501 92500 1309 1206 2428 503 407 204 205 1306 95006 90000 1305 1008 25108 404 401 104 301 1508 119402 87500 1304 702 23603 500 401 208 309 1802 143801 85000 1204 404 21105 402 202 306 407 206 168709 82500 1008 209 22600 505 400 308 504 2300 194308 80000 902 007 25400 607 605 109 600 2505 220700 77500 800 -200 26700 801 801 004 605 2800 247609 75000 603 -203 27908 608 607 -102 706 3907 275402 72500 409 -1703 30702 503 402 -302	289.6 314.1	9.5 93.0	) 0.9 C.
0.8	59.9 959.9	99.9 999.	999.9 999.
1.5 25.0 725.1 925.0 13.9 12.6 242.0 5.3 4.7 2.4 2.5 13.6 950.6 900.0 13.5 10.8 251.9 4.4 4.1 1.4 3.1 15.8 1194.2 875.0 13.4 7.2 236.3 5.0 4.1 2.8 3.9 18.2 1438.1 850.0 12.4 4.4 211.5 4.2 2.2 3.6 4.7 20.6 1687.9 825.0 10.8 2.9 226.4 5.5 4.0 3.8 5.4 23.0 1943.8 800.0 9.2 0.7 254.0 6.7 6.5 1.9 6.0 25.5 2207.0 775.0 8.0 -2.0 267.0 8.1 8.1 0.4 6.7 6.5 26.0 2476.9 750.0 6.3 -2.3 279.8 6.8 6.7 -1.2 7.6 30.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	290.6 316.0	9.8 94.5	5 G.2 3F.
2.5 12.6 950.6 900.0 13.5 10.8 251.6 4.4 4.1 1.4 3.1 15.8 1194.2 875.0 13.4 7.2 236.3 5.0 4.1 2.8 3.9 18.2 1438.1 850.0 12.4 4.4 211.5 4.2 2.2 3.6 4.7 20.6 1687.9 825.0 10.8 2.9 226.4 5.5 4.0 3.8 5.4 23.0 1943.8 800.0 9.2 0.7 254.0 6.7 6.5 1.9 6.0 25.5 2207.0 775.0 8.0 -2.0 267.0 8.1 8.1 0.4 6.3 28.0 2476.9 750.0 6.3 -2.0 267.0 8.1 8.1 0.4 7.6 30.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	293.0 319.3	10.1 93.5	5 0.5 50.
3.1 15.8 1194.2 875.0 13.4 7.2 236.3 5.0 4.1 2.8 3.9 18.2 1436.1 850.0 12.4 4.4 211.8 4.2 2.2 3.6 4.7 20.6 1687.9 825.0 10.8 2.9 226.4 5.5 4.0 3.8 5.4 23.0 1943.8 800.0 9.2 0.7 254.0 6.7 6.5 1.9 6.0 25.8 2207.0 775.0 8.0 -2.0 267.0 8.1 8.1 0.4 6.5 28.0 2476.9 750.0 6.3 -2.3 279.8 6.8 6.7 -1.2 7.6 39.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	294.6 321.1	10.0 91.0	C+9 5.5.
3.9 18.2 1438.1 850.0 12.4 4.4 211.5 4.2 2.2 3.6 4.7 20.6 1687.9 825.0 10.8 2.9 226.4 5.5 4.0 3.8 5.4 23.0 1943.8 800.0 9.2 0.7 254.0 6.7 6.5 1.9 6.0 25.5 2207.0 775.0 8.0 -2.0 267.0 8.1 8.1 0.4 6.5 28.0 2476.9 750.0 6.3 -2.3 279.8 6.8 6.7 -1.2 7.6 39.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	296.6 320.9	9.1 - 84.1	1.1 58
4.7     20.6     1687.9     825.0     10.8     2.9     226.4     5.5     4.0     3.8       5.4     23.0     1943.8     800.0     9.2     0.7     254.0     6.7     6.5     1.9       6.0     25.5     2207.0     775.0     8.0     -2.0     267.0     8.1     8.1     0.4       6.5     26.0     2476.9     750.0     6.3     -2.3     279.8     6.8     6.7     -1.2       7.6     30.7     2754.2     725.0     4.9     -17.3     307.2     5.3     4.2     -3.2	298.7 318.7	7e3 66e8	
5.4 23.0 1943.8 800.0 9.2 0.7 254.0 6.7 6.5 1.9 6.0 25.5 2207.0 775.0 8.0 -2.0 267.0 8.1 8.1 0.4 6.5 26.0 2476.9 750.0 6.3 -2.3 279.8 6.8 6.7 -1.2 7.6 39.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	300.0 317.0	6.2 58.	
6.0 25.5 2207.0 775.0 8.0 -2.0 267.0 8.1 8.1 0.4 6.5 26.0 2476.9 750.0 6.3 -2.3 279.8 6.8 6.7 -1.2 7.6 39.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	300.8 316.8	5.7 58.1	
6.8 26.0 2476.9 750.0 6.3 -2.3 279.8 6.8 6.7 -1.2 7.6 30.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	301.7 315.9	5.0 55.1	
7.6 39.7 2754.2 725.0 4.9 -17.3 307.2 5.3 4.2 -3.2	302.9 315.1	4.3 49.	
	304.0 316.4	4.3 54.6	
8.4 33.4 3039.2 700.0 3.0 -27.9 334.4 6.8 3.0 -6.2	305.0 309.6	1.5 20.0	
	305.9 307.7	0.5 8.1	
	306.5 309.6	1.0 17.5	
	307.2 310.2	1.0 18.7	
	307.1 311.0	1.2 29.3	
	307.3 312.2	1.6 45.	
	307.2 312.7	1.8 63.9	
	308.3 314.3	2.0 80.0	
	312.4 319.7	2.4 92.1	
	315.4 322.5	2.3 91.9	
	318.2 324.6	2.0 88.	
	320.0 325.3	1.6 84.0	
	321.4 325.5	1.3 83.0	
	323.1 326.4	1.0 77.0	
	324.3 326.8	0.7 73.1	
	324.9 326.7	0.5 73.6	
	325.9 327.2	0.4 72.4	
	326.2 999.9	99.9 999.	
	327.1 999.9	99.9 999.9	
	327.9 999.9	99.9 999.9	
	329.0 999.9	99.9 999.9	
	329.2 999.9	99.9 999.9	
	344.5 999.9	99.9 999.9	
	366.2 999.9	99.9 999.9	
	391.6 999.9	99.9 995.0	
	416.7 999.9	99.9' 999.	
	439.0 999.9	99.9 999.1	
	502-8 999-9	99.9 999.1	
71.7 167.5 24924.1 25.0 -53.5 99.2 99.9 99.9 99.9 59.9	631.2 999.9	99.9 999.	999.9 999.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AME 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553 OMAHA. NEB

TIME MIN 0.0	7.5 99.9 99.9 8.5	HE I GHT 6 GPM 400.0 99.9 99.9	PRES MB 961.6	TEMP DG C	DEW PT	DIR	1115 GI SPÈFD	U COMP	V CCMP	POT T	É POT T	MX RTO	RH	RANGE	AZ
MIN 0.0	7.5 99.9 99.9 8.5	GPM 400.0 99.9	MB 961.6.	DG C				U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN 0.0	7.5 99.9 99.9 8.5	GPM 400.0 99.9	MB 961.6.	DG C											
	99. 9 99. 9 8. 5	99.9		11.1			M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	C G
	99. 9 99. 9 8. 5	99.9				~~ ^		- 7 - 0	-0.7	280.5	300-3	7.8	90.0	0.0	9.
	99. 9 8. 5				9.5 99.9	50.0 99.9	4•2 99•9	-3.2 99.9	-2.7 99.9	288•5 99•9	308•7 999•9	99.9	999.9	999.9	
99.9	8. 5	7707	975.0	99.9	99.9	99.9	39.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9		601-8	950•C	99.9	10.3	66.6	12.9	-11.9	-5.1	290.0	311.6	8.3	91.9		221.
0.4 1.2		501.8 725.0	925.0	11.6 10.5	9.3	65.8	8.9	-8.2	- 3. 7	291.1	312.1	8.0	92.0		2360
2.0	12.5		900.0	11.6	10.6	154.7	1.8	-0.7	1.6	294.7	318.4	9.0	93.5		240.
4.		954•3 1190•6	875.0	11.3	5.5	183.7	2.5	0.2	2 • 5	296.4	314.3	6.6	68.9		247.
2.9. 3.7	17.4	1433.7	850.0	12.1	-9.8	62.4	1.5	-1.3	-0.7	299.1	305.5	2.2	20.7		253.
." 4.6	19.8	1683.0	825.0	11.4	-10.3	2.9	2.6	-0.1	-2.6	300.9	307.2	2.1	20.7		245.
5.5	22.0	1939.1	800.0	10.1	-15.1	346.3	1.2	0.3	-1.2	302.1	306.6	1.5	15.3	1.0	241.
6.5	24.6	2201.9	775.0	7.9	-15.7	19.4	3.1	-1.0	-2.9	302.5	307.0	1.5	16.9		236.
7.5	27.0	2471.1	750.0	6.0	-12.3	0.6	4.8	-0.1	-4.8	303.3	309.3	2.0	25.4		227.
8.4	29.6	2747.6	725.0	3.4	-11.0	348.9	4.9	0.9	-4.8	303.4	310.2	2.3	34.0		218.
9.4	32.3	3030.9	700.0	0.8	-9.8	349.2	4.4	. 0.8	-4.3	303.7	311.4	2.6	44.9		210.
10.4	35.1	3321.8	675.0	-1.8	-9.7	357.4	4.3	0.2	-4.3	303.9	312.0	2.7	54.9		
11.5	37.8	3620.7	650.0	-4.3	-10-5	329.2	3.9	2.0	-3.3	304.4	312.2	2.6	61.7		202
	4°C+ 6	3929.1	625.0	-6.1	-11.6	315.9	5.8	4.0	-4.2	305.7	313.2	2.5	65.0		194.
12.6				5		323.7	7•2	4.3	-5.8	307.1	313.7	2.2	61.7		135.
13.7	43.5	4247.7	600.0	- 8.0	-14.0	335.9	7•2 7•3	3.0	-6.6	307.B	313.4	1.8	61.2		iec.
14. 5	46.6	4577.2	575.0	-10.6	-16.6					-	313.5	1.5	60.2		177.
16.1	49.8	4917.7	550.0	-13.0	-19-1	333.9	5.7	2.5	-5.1	308.8	315.2	1.3	54.6		175
17.3	52.9	5271.3	525.0	-14.5	-21.6	292.3	8.3	7•6	-3.1	311.1					
18.6	56.0	5639.7	500.0	-16.5	-25.1	283.6	11.7	11.4	-2.8	312.9	316.2	1.0	47.4		162.
19.9	59.4	6023.0	475.0	-19.9	-25.5	270.8	11.5	11.5	-0.2	313.4	316.7	1.0	60.6		152.
21 • 4	63.1	6422.7	45000	-22.3	-25.3	256.9	16.2	15.8	3.7	315.3	319.0	0.8	58.1		139.
22.9	66.6	6840.6	425.0	-25.2	-32.8	262.0	21.0	20.8	2.9	316.7	318.6	0.6	49.0		125.
24.5	70-4	7277.7	460.0	-28.9	-38.5	258.9	25.5	25.0	4.9	317.4	318.6	0.3	38.8		114.
26. 3	74.3	7736.1	375.0	-32.5	~63.7	259.5	25+5	25.1	4.7	318.5	318.5	0.0	2.8	10.4	
26 • 1	76.5	8217.9	350.0	-36.5	-73.5	258-2	26+5	25.9	5.4	319.4	319.4	0.0	1.0	12, 5	
29.8	82.5	8727.3	325.0	-40.5	99.9	251.3	29.4	27.9	9.4	320.9	999.9	99.9	999.9	15, 5	95.
31.7	86. 5	9267-1	300.0	-45.3	99.9	252.7	30.7	29.3	9-1	321.5	999.9	99.9	999.9	18.3	91.
33.9	91.6	9841.8	275.0	-49.7	99.9	250.2	32.9	30.9	11-1	323.2	999.9	99.9	999.9	22. 8	87.
36, 3	96.5	10458.7	250.0	-54.2	99.9	240.3	31.6	27.5	15.7	325.5	999.9	99.9	.999 <b>.</b> 9	27.0	84.
38.A	101.6	11129.6	225.0	-56.6	99.9	235.6	36.6	30.2	20.7	331.8	999.9	99.9	999.9	31.8	80.
41.3	107.4	11870.8	500.0	-59.8	99.9	239.0	40.1	34.3	20.6	338.0	969.9	99.9	999.9	36.8	75.
44.4	113.3	12708.4	175.0	-57.7	99.9	255.2	31.3	30.3	8.0	354.7	999.9	99. 9	999.9	43.8	75.
47.9	119.7	13680.0	150.0	-57.2	99.9	255.8	32.7	31.7	8.0	371.6	999.9	99.9	999.9	50.8	75.
51 • 5	126.3	14827.3	125.0	-57.8	99.9	250.8	28.9	27.3	9.5	390 • 3	999•9	99.9	999.9	58.0	75.
56.7	134.3	16248.6	106.0	-55.5	99.9	264.5	22.4	22.3	2• 2	420.6	999.9	99.9	999.9	67.0	75.
62.4	141.7	18068-1	75.0	-60.5	99.9	226. A	9.8	7-1	6. 7	446.1	999.9	99.9	999.9	73. 7	75.
69.9	149.7	20623.2	50.0	-54.4	95.9	1.0	3.0	-0.1	-3.0	515.5	999.9	99.9	999.9	76.2	74.
82.7	158.7	25105.9	25.0	-50.0	99.9	321,5	4.9	3. 1	-3.9	641.5	999•9	99.9	999.9	74. 9	750

<sup>\*</sup> MY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562 NORTH PLATTE, NEB

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	12.8	847.0	913.0	6.3	6.8	360.0	2.6	0.0	-2.6	289.8	307.6	6.8	90.0	0.0		
99.9		99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	997. 9	990.	
99.		99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.		99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	959.9	99.9	999.9	999.9	997.	
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	97.9	999.9	99.9	999.9	999.9	999.	
0.5		966.6	900.0	10.2	8.9	322.9	3.5	2. 1	-2.8	293 <b>.</b> l	314.1	8.0	91.5	0 • 1	180.	
1	16.0	1201.8	875.0	10.5	8.9	291.0	3.5	3.2	-1.2	295.8	317.6	8.2	89.6	0. 5	152.	
2.0	18.4	1443.8	850.0	10.4	4.6	218.0	2.4	1.5	1.9	297.9	315.1	6.3	67.2		126.	
. 2.9		1692.0	825.0	e. 7	4.0	226.0	3.3	2.4	2.3	298.6	315+6	6.2	72.1			
3.1	23.0	1945.9	800.0	6.9	3.6	266.6	5.3	5.3	0.3	299.3	31605	6.2	79.3	Ç. 5		
4.1	25.4	2207.0	775.0	6.0	1.9	285.8	8.6	8.3	-2.4	301.0	316.9	5.7	74.8	0.9		
5.5	5 27.8	2475.5	750.0	4.7	0.1	292.1	7• Ö	7.2	-2.9	302.3	316.8	5.1	72.0	1.4		
60.	30.4	2751.4	725.0	3.1	-3.6	290.8	7.0	6.5	-2.5	303.4	314.9	4.0	60.6	1.7		
7.0	2 33.1	3034.6	700.0	0.4	-6.2	295.5	5.3	4.8	-2.3	303.4	313.4	3.4	61.0			
5.2	25.7	3325.3	675.0	-2.3	-6.5	299.3	4.5	3.9	-2.2	303.5	313.6	3.5	73.0		105.	
9.2	36.4	3623.6	650.0	-5.1	-6. J	289.0	3.4	3.3	-1.1	303.7	314.3	3.7	90.7		100.	
10.2	2 41.1	3930.6	625.0	-7.7	-8.3	265.2	4.0	4.0	0.3	304.0	313.6	<b>3.</b> 3	95.9	2.7		
11.4	43.9	4247.4	600.0	-9.6	-10.6	260.2	6.8	6.7	1.2	305.3	313.7	2.8	92.6	3. 0		
12.4	46.9	4574.6	575.0	-12.4	-13.6	257.3	10-1	9.8	2.2	305.7	312.7	2.3	90.5	3∙ 5		
13.0	50.9	4912.6	550.0	-15.2	-16.7	257.4	11.7	11.4	2.6	306.2	312.0	1.9	88.1	4.3	95.	
14.0	52.9	5263.1	525.0	-17.6	-19.2	259.6	11.7	11.5	2.1	307.5	312.4	1.6	87.1	4. 9		
15.	7 . 55.9	5626.6	500.0	-20.8	-22.2	258.0	12.1	11.8	2.5	307.8	311.9	1.3	88.4	5.7	91.	
16.	59.1	6003.7	475.0	-23.9	-25.8	255.5	13.6	13.1	3.4	308.5	311.6	1.0	84.7	6, 6	89.	
15.	62.6	6397.0	450.0	-25.6	-42.7	251.5	15.1	14.3	4.8	311.0	311.7	0.2	19.0	7.8	87.	
19.	65.9	6808.9	425.0	-28.8	-36.0	241.0	16.1	15.8	8. 6	312.1	313.5	0.4	49.2	9. 1	54.	
21.	65.6	7240-1	400.0	-31.9	-36.4	233.7	19.5	15.7	11.5	313.5	314.9	0.4	63.9	10.8	. 79.	
22.	73.2	7692.3	375.0	-36.0	-39.4	235.0	18.9	15.5	10.5	313.9	315.0	0.3	70.7	12.4	76.	
24.	77.0	8167.8	350.0	-39.4	-43.8	231.5	22.5	17.6	14.0	315.6	316.4	0.2	62.6	14.1	7.30	
26.2	81.0	8671.2	325.0	-43.4	99.9	229.3	24.0	18.2	15.6	316.9	999.9	99.9	999.9	16.5	7 Ü a	
29.0	65-1	9205.2	300.0	-47.9	99.9	230.6	24.5	18.9	15.6	317.9	999.9	99.9	999.9	19.0	57.	
30.0	29.5	5772.8	275.0	-53.1	99.9	227.7	25.0	18.5	16.8	318.3	999.9	99.9	999.9	21.9	54.	
32.1	94.2	10380.0	250.0	-57.5	99.9	229.4	24.2	18.4	15.7	320.6	999.9	99.9	999.9	24.8	62.	
34.		11039.4	225.0	-60.6	99.9	235.3	25.0	20.6	14.3	325.6	999.9	99.9	999.9	28.0	61.	
37.	2 104.3	11778.2	200.0	-57.6	99.9	239.8	23.5	20.3	11.5	341.5	999.9	99.9	999.9	32.5	61.	
40.9	110.2	12626.8	175.0	-55.5	99.9	252.4	23.7	22.6	7.2	358.3	999.9	99.9	999.9	37.4	52.	
44.		13601.9	150.0	-58.3	99.9	244.6	22.0	19.9	9.4	369.6	999.9	99.9	999.9	42.1	63.	
49.		14747.0	125.0	-59.0	99.9	246.3	17.0	15.6	6.8	386.1	999.9	99.9	999.9	47.8	54.	
55.	7	16166.9	100.0	-55.8	99.9	256.8	18.6	18.1	4.2	419.9	999.9	99.9	999.9	55.3	. 65∙	
62.6		17989.6	75.0	-57.3	99.9	244.0	13.7	12.3	ۥ 0	452. 9	999.9	99.9	999.9	62.2	54.	
72.		20562.6	50.0	-52.0	99.9	268.4	6+8	6.8	0.2	521.0	999.9	99.9	999.9	67.5	64.	
88.		25072.3	25.0	-48.5	99.9	32.9	2.4	-1.3	-2.0	645.6	999.9	99.9	999.9	66.6	66.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 606 PORTLAND. ME

#### 24 APRIL 1975 1115 GMT

157 32. 0 TIME CHTCT HEIGHT PRES TEMP DEW PT SPEED DIR U. COMP V CEMP POT T E POT T MX RTO RH RANGE ΑZ GEM GM/KG PCT KM MIN MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K DG 97.7 0.0 4.9 20.0 1016.4 5.6 5.2 90.0 2.6 -2.6 0.0 278.2 291.9 5.3 0.0 : 0. 6. 2 153.3 1000.0 5.3 4.0 148.7 14.5 -7.5 12.4 279.1 292.1 5.1 91.2 0.2 273. 0.4 1.2 369.0 975.0 1.0 154.9 15.3 -6.5 13.8 279.9 290.8 4.2 80.1 0. 7 318. 2.6 4.1 1 C. 8 57C.9 950.0 -0.6 162.6 15.1 -4.5 14.4 280.7 290.8 3.9 77.2 1.5 3100 2.1 3.0 3.1 13.3 787.2 925.0 3.9 3.6 999.9 99.9 99.9 99.9 284.0 298.0 5.4 98.0 999.9 999. 4.0 15.6 1010.8 900.0 4.5 4.5 999.9 99.9 99.9 99.9 286.9 302.3 5.9 100.3 995.9 979. 100.3 999.9 999. 1240.4 875.0. 4.5 999.9 99.9 99.9 99.9 289.2 305.2 6.1 4.9 18.0 4.5 5.8 20.5 1476.7 850.0 3.3 3.3 999.9 99.9 99.9 99.9 290.4 305.6 5.7 100.1 999. 9 999. 6.5 22.9 1718.4 825.0 1.4 1.4 999.9 99.9 99.9 99.9 290.7 304.5 5 1 99.8 999.9 999. 7. 3 25.5 1966.0 800.0 0.2 0.2 999.9 99.9 99.9 99.9 292.0 305.2 4.9 99.7 999. 3 999. 999. 9 999. 8.7 28.0 2220.7 775.0 -0.3 -0.3 999.9 99.9 99.9 99.9 294.1 307.3 4.8 100.3 100.0 999.9 999. 10.2 30.8 2482.5 750.0 -2.5 -2.5 999.9 99.9 99.9 99.9 294.4 306.0 4.2 11.3 33.6 2751.2 725.0 -J.8 -3.B 995.9 99.9 99.9 99.9 295.8 305.9 4.0 100.3 999.9 999. 13.0 36.1 3026.2 700.0 -4.2 -4.2 999.9 99.9 99.9 99.9 298.4 309.7 4.0 100.2 999. 9 999. 14.4 39.1 3314.8 675.0 -5.2 -5.3 999.9 99.9 99.9 99.9 300.3 311.2 3.8 99.8 999.9 999. 15.9 41.5 361C.7 650.0 -6.9 -7.1 999.9 99.9 99.9 99.9 301.6 311.6 3.5 98.3 999.9 999. 17.5 44.8 3916.4 625.0 -8.4 -8.5 226.3 23.2 303.2 312.4 3. 2 97.3 18.3 12. 16.8 16.1 600.0 313.0 95.9 20.3 15. 19.1 47.8 4232.5 -10.2 -10.7 227.3 23.8 17.5 16.1 304.7 2.8 20.7 50.6 4559.9 575.0 -11.8 -12.5 228.5 22.7 17.0 15.1 306.4 314.0 2.5 94.3 22. 1 19. 4899.3 314.8 92.2 24.1 21. 22.3 53.7 550.0 -13.7 -14.7 237.3 23.2 19.5 12.5 308.1 2.2 5251.5 309.4 315.2 90.4 25.9 25. 24.0 56.7 525.0 -16.0 -17.2 241.7 22.8 20.0 10.8 1.9 25.4 60.0 5617.7 500.0 -18.3 -19.7 244.1 20.1 18.0 e.8 310.9 315.9 1.6 8.88 27.4 27. 29. 27.9 63.4 5999.4 475.0 -20.7 -22.4 258.2 16-1 15.8 3.3 312.5 316.7 1.3 85.7 28.7 20.8 66.8 6397.2 450.0 -23.6 -26.1 263.7 17.7 17.6 1.9 313.6 316.9 1.0 79.7 30.0 32. 30.5 70.4 6812.6 425.0 -26.9 -29.6 270.4 17.8 17.8 -0 · 1 314.6 317.2 0.8 77.0 31.0 35. 32.4 74.1 7247.0 400.0 -30.5 -33.6 271.8 19.7 19.7 -0.6 315.4 317.3 0.6 73.7 32.0 36. 70.2 33.6 34.3 76.2 7702.6 375.0 -34.1 -37.6 267.4 23.4 23.4 1.0 316.4 317.8 0.4 41. 67.B 35.7 -38.2 -41.8 0.3 44. 36.2 E2. 0 8181.5 350.0 260.2 22.6 22.3 3.8 317.2 318.2 999.9 99.9 999.9 37.9 38.3 66.2 8685.8 325.0 -42.8 99.9 257.7 23.1 22.6 4.9 317.7 45. 999.9 40.5 318.2 999.9 99.9 48. 40.1 90.6 9221.4 300.0 -47.7 99.9 255.5 26.3 25.4 6.6 99.9 2.8 319.5 999.9 999.9 43.7 51. 42.3 95.3 9789.9 275.0 -52.3 99.9 264.6 30.0 29.9 999.9 99.9 999.9 44.3 100.2 10401.2 250.0 -55.9 99.9 277.5 30.9 30.6 -4.2 323.0 46. 7 54. 99.9 999.9 999.9 49.9 46. 9 105.4 11066.7 225.0 -59.2 99.9 293.8 37.1 33.9 -14.9 327.6 59. 999.9 -12.6 334.8 53.9 50.1 111.0 11799.3 200.0 -61.9 99.9 292.9 32.3 29.8 999.9 99.9 65. 999.9 53.3 117.0 12633.9 175.0 -58.7 99.9 289.5 29.9 28.2 -10.0 353.0 99.9 999.9 58. 9 69. 999.9 124.0 13608.9 -55.6 99.9 289.1 32.0 30.3 -10.5 374.3 99.9 999.9 63.9 74. 57.5 150.0 -52.6 292.9 -8.7 399.8 999.9 99.9 999.9 69.8 78. 62.6 131.0 14776.6 125.0 99.9 22.5 20.7 18.7 -6.8 420.6 999.9 99.9 999.9 76.4 eı. 138.8 16213.3 100.0 -55.4 99.9 289.9 19.9 65.7 454.8 999.9 99.9 999.9 83.2 84. 76.0 146.3 18038.5 75.0 -56.4 99.9 313.5 13.3 9.6 -9.2

-55.2

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<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> EY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 637 FLINT. MICH

24 APRIL 1975 1115 GMT

						24		1 775							
							1115 G	<b>at</b>					10	64 Ile	. 0
TIME	CNTCT	HEIGHT	PRES	TEPP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	A Z
MIN	CHIC	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	км	ΩG
			- N								20			• •	•
0.0	e. 3	236.0	979.7	10.0	7.8	360.0	3.6	0.0	~3·6	286• J	304.0	6.8	83.0	0.0	•0
99. 9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
0.1	6.6	276.1	975.0	9.8	7.5	996.9	99.9	99.9	99.9	285.8	303.1	6.7	85.6	999.9	
1.0	€. 6	491.3	950.0	7.5	6.1	999.9	99.9	99.9	99.9	285.7	301.6	5. 2	90.6	999. 9	
1.9	10.6	711.8	925.0	8.7	7.5	312.2	5.3	4.7	-4.2	289.2	307.7	7.1	92.0		1720
2.8	12.6	939.7	900.0	10.2	9+0	279.5	11.0	10.8	-1.8	293.0	314.3	8.0	92.5		141.
3-6	14.7	1174.2	875.0	9. 1	7.9	276.2	13.1	13.0	-1.4	294.2	314.7	7.7	92.0		122.
4.43	16.7	1414.4	850.7	7.7	4.5	269.0	14.3	14.3	C. 3	295.1	312.1	6.3	80.6		111.
5.5	18.9	1660.3	825.0	6.8	2.4	268.0	14-4	14.3	0.5	296.5	31106	5.5	73.7	_	104.
6.5	21.0	1913.3	800.0	6.4	4.2	278•4	12.9	12.8	-1.9	298.8	316.6	6.5	85.8		102.
7.4	. 23.3	2173.3	775.0	4.4	2.6	278.2	11.8	11.8	-1.7	299.3	315.8	6.0	86.6		171.
8.6	25, 6	2440,3	750.0	3.1	-0.1	276.5	10.6	10.5	-1.2	300.7	314.9	· 5. 1	79.4		121.
9.7	27.8	2714.4	725.0	1.2	-1.7	273.4	10-1	10.1	-0.6	301.4	314.6	4.7	80.6		
10.8	30 <b>.</b> 3	2996.5	700.0	0.0	-6.6	270.4	10.8	10.8	-0.1	302.9	312.6	3, 3	60.7	6.5	99.
11.9	32. 9	3287.2	675.0	-1.4	-6.0	268.5	9.5	9.5	0.2	304.4	313.6	3.1	60.9	7. 1	980
13.0	35.3	3587.5	650.0	-2.3	-25.1	277.0	10.7	10.6	-1.3	306.6	310.6	1.3	26.4	7.8	38.
14.2	37.6	3897.9	625.0	-4.0	-52.5	285.4	11.3	10.9	-3.0	307. B	308.0	0.0	1.0	8,6	98.
15.4	40.4	4218.5	600.0	-6.3	-53.9	289.7	12.0	11.3	-4.0	308.8	308.9	0.0	1.0	9. 4	
16.7	43.0	4549.4	575 e 0	-9.0	-55-6	288	12.7	12.1	- 3. 9	309.4	309.5	0.0	1.0	10:4	
18.1	4569	4891.6	550.0	-11.5	= 57.2	203.7	14.5	14.0	-3.4	310.4	310.5	0.0	1.0	11.4	
19.4	48.8	5246.6	525.0	-14.0	-58 • B	278.2	14.7	14.5	-2.1	311.5	311.6	0.0	1.0	12.5	
20.7	51.5	5615.2	500.0	-16.1	-60.1	285.4	15.7	.15.1	-4.2	313.4	313.5	0.0	1.0	13.7	
22.0	54.6	6000.0	475.0	-10.2	-61 • 5	291.9	16.4	17.0	-6.8	315.4	315.5	0 • C	1.0	15. I	102.
23.5	57.6	6401.7	450.0	-21.0	-63-3	289.2	21.9	20.6	-7.2	316.7	316.0	0.0	1.0	16.8	
25.0	60.9	6820.9	425.0	-24.2	-65.4	282.3	25.5	24.9	-5.4	317.9	317.9	0.0	1.0	19.0	10.3.
26.8	64.4	7260.2	400.0	-27.5	-67.5	280.6	27.3	26.8	-5.0	319.2	319.3	0.0	1.0	21.8	103.
28.5	67.8	7722.5	375.0	-29.9	-69-1	278.6	31.3	31.0	-4.7	321.9	322.0	0.0	1.0	24.9	10.2
30.2	71.3	8210.5	350.0	-33.3	-71.3	284.5	35.5	34.3	-9.0	323, 6	323.9	0.0	1.0	29.1	102.
32.1	75.3	8726.8	325.0	-37.5	-59.6	280.0	40.1	39.5	-7.0	324.9	325.1	0.0	R. 9	32. 2	102.
33.9	79.3	9274.9	300.2	-41.4	99.9	270.2	41.3	41.3	-0.2	327.0	999.9	99.9	999.9	36, 7	191.
36.0	e3. 6	9859.3	275.0	-46.5	99.9	267.8	51.3	51.3	2.0	327.9	999.9	99.9	999.9	42.6	100.
39.3	88.0	10464.9	250.0	-51.4	99.4	264.4	53.3	53.1	5.2	329.6	999.9	99. 9	999.9	49.7	98.
40.9	93.2	11160-0	225.0	-57.5	99.9	265.3	46.4*	46.3	3. 8	330.4	999.9	99.9	999.9	57.0	95.
43.5	98.4	11894.0	200.0	-63.2	99.9	272.2	54.7*	54.6	-2.1	332.7	999.9	99. 9	999.9	65. 9	95.
46.1	104.3	12711.8	175.0	-64.0	59. 9	282.0	43.9*	42.9	-9.1	344.3	999.9	99.9	999.9	73.5	95.
49.6	110.8	13679.5	150.0	-57.7	99.9	281.5	29.2*	28.6	-5.6	370.7	999.9	99.9	999.9	80.0	96.
53.3	118.0	14834+1	125.0	-56.7	99.9	268.9	30.0+	30.0	0.6	392.3	999.9	99.9	999.9	86. 6	460
57.9	126.7	16256.7	100.0	-56.8	59.9	270.7	23.2*	23.2	-0.3	415.0	999.0	99.9	999.9	94.2	95.
64.1	137.0	18077.8	75.0	-57.6	59.9	2.6	0.1+	-0.4	-8.1	452.2	999.9	99.9	999.9	101.5	96.
71.8	140.5	2064 3.1	50.0	-55.9	99.9	324.5	5.8	3.3	-4.8	511.8	999.9	99.9	999.9	105. F	97.
83.2	161.5	25093.4	25.0	-51.6	99.9	286.5	4.7	4.5	-1.3	636.6	999.9	99.9	999.9	106.1	98.
					<del>-</del> -										

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645 GREEN BAY, WIS

24 APRIL 1115 GMT 1975

TIME	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT	DIR	SPEFD M/SFC	U COMP M/SEC	V CCMP	POT T DG K	E POT T DG K	MX RTO GM/KG	ŘH PCT	RANGE KM	AZ DG	
	7.5	210.0	985.4	4.4	3.4	40.0	6.2	-4.0	-4.7	279.4	292.0	5.0	93.0	0. 2	٥.	
0.0 <b>99.</b> 9	95.9	59.9	1000.0	99.9	50.0	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9			
0.3	204	296.6	975.0	4.3	3.4	24.8	10.4	-4.4	-9.4	280.1	293.0	5.0	94.0		217.	
1.2	10.5	507.7	950.C	2.6	2.2	30.1	8+5	-4.3	-7.4	280.4	292.6	4.7	96.9			
2.0	12.6	723.0	925.0	1.1	0.9	37.4	6.9	-4.2	-5.5	281.0	292.4	4.4	96.1		212.	
2.9	15.2	943.2	900.0	0.0	-0.2	39.8	6.1	-3.9	-4.7	282.1	293.1	4.2	98.4		215.	
	1704	1170-1	875.0	1.5	1.3	17.7	6.2	-1.9	-5.9	285.9	298.6	4.8	98.5			
4.9	19.9	1004.4	850.0	3.5	-4.0	22.8	5.0	-1.9	-4.6	290.3	299.5	3.3	57.7	1.9	210.	
5.9	22.2	1647.5	825.0	4+5	-5.0	354.8	5.0	0.5	-5.0	293.7	302.6	3.2	50.0	2.2	208.	
6.9	24.8	1897.8	800.0	3.6	-6.3	348.7	6.3	1.2	-6.2	295.4	303.9	3.0	46,2	2. 5	203.	
7.9	27.2	2155.5	775.0	3.1	-5.2	320.0	5.6	3.6	-4.3	297.6	307.1	3. 3	54.1	2. 7	198.	
8.9	29.8	2420.5	750.0	1.3	-6.1	311.4	8.2	6.1	-5.4	298.4	307.7	3 <b>. 3</b>	58.0	્ટ્ર 9	191.	
9.8	32.5	2693.6	725.0	1.7	-37.0	259.9	10.3	8.9	-5,1	301.3	302.5	0.4	6.3	3. 2	181.	
11.1	25.3	2975.1	700.0	-0.4	-30.9	289.4	9.7	9.1	-3.2	302.1	303.4	0.4	7.9	3₀ 5	170.	
12.3	37.9	3265.0	675.0	-1.5	-38.3	294.4	9.9	9.0	-4.1	304.0	304.7	0.2 .	4.0		162.	
13.4	40.5	3564.5	650.0	-3.2	-38.6	294.8	11.4	10.4	-4.0	305.3	306.1	0.2	4.6	4.5	155.	
14.5	43.4	3873.5	625.0	-5.2	-39.4	293.7	11.1	10.1	-4.4	306.5	307.2	0.2	4.6		149.	
15.7	46.3	4192.4	600.0	-8.0	-36.7	293.3	10.9	10.0	-4.3	306.9	307.8	0.3	7.8		144.	
16.9	49.4	4521.2	575.0	-10.8	-34.8	288.5	12.5	11.5	-4.0	307.3	308.5	0.3	11.6		140.	
18.2	52.3	4861.2	550.0	-13.3	-47.2	289.8	13.0	12.3	-4.4	308.2	3¢8.6	0.1	4.3		136.	
19.5	55.4	5214.0	525.0	-15.6	-55.5	285.0	13.2	12.8	-3.4	309.6	309.8	0.0	1.7		133.	
20.8	58.5	5580.6	500.0	-17.6	-55.8	280.9	14.7	14.4	-2.0	311.6	311.7	0.0	-64		130.	
22.1	61.9	5963.0	475.0	-19.6	-56.3	279.7	17.5	17.2	-3.0	313.7	313.8	0.0	2•℃		126.	
23.6	65.3	6362.8	450.0	-22.3	-57.2	281.0	19.9	19.5	-3.8	315.2	315,3	0.0	2.5		122.	
25.4	68.7	6779.7	425.C	-25.8	~58.5	281.6	22.7	22.2	-4.5	315.6	316.0	0.0	2.9	13. 9		
27.0	72.3	7216.1	400.0	-28.5	-59.7	281.0	21.9	21.5	-4.2	317.8	317.9	0.0	3.2	16.0		
28.6	76.2	7675.1	375.0	-31.9	-61.2	278.5	26.2	25, 9	-3.9	319.3	319.4	0.0	3.6		115.	
30.3	e0. 1	8159.1	350.0	-35.5	-63.1	283.5	32.4	31.5	-7.6	320.8	320.8	G • O	4.0		113.	
32.2	2 • 45	8670.5	325.0	-39.4	99.9	280.5	39.6	38.9	-7.2	322.4	999.9	99.9	999.9		111.	
34.0	68.4	9213.7	300.0	-43.8	99.9	268.0	43.2	43.2	1.5	323.6	999.9	99.9	999.9		109.	
36.0	93.2	9793.9	275.0	-47.5	99.9	257.2	50.0	48.8	11.1	326.4	999.9	99.9	999.9		105.	
39.2	\$7.8	13417.7	250.0	-52.0	99.9	252.5	54.5	52.0	16.4	328.8	999.9	99.9	999.9	41.0		
40.5	103.0	11092-1	225.0	-57.0	99.9	251.6	56.J	53.4	17.8	331.2	999.9	99.9	999.9	48. 7		
43.2	100.8	11831.0	200.0	-62.0	99.9	264.3	49.6	4944	4.9	334.6	999+9	99.9	999.9	56. 4	92.	
46.2	115.0	12652.8	175.0	-60.6	99.9	269.7	41.2	41.2	0, 2	349.8	999.9	99.9	999.9	64. 2		
49.5	121.7	13622.4	150.0	-55.8	99.9	272.5	34.0	33.9	-1.5	374.0	999.9	99. 9	999.9	71.9		
54.1	129.3	14792.4	125.0	-54.4	99.9	264.1	25.6	25.5	2.6	396.6	999.9	99.9	. 999. 9	78. 2		
58.9	137.3	16226.5	100.0	-54.9	99.9	259.1	25.3	24.8	4.8	421.7	999.9	99.9	999,9	85.6		
65.2	145.7	18065.3	75.0	-57.6	99.9	273.5	25.5	25.5	-1.6	452.3	999.9	99. 9	999.9	95. 9		
73.7	155.0	20635.6	50.0	-55.3	<b>99.9</b>	291.6	9.7	9.0	-3.6	513.1	999.9	99.9	999.9	101.2		
86.4	164.3	25112.2	25.0	-50.9	99.9	3.0	3.9	-0.2	~3.8	638.9	999.9	99.9	999.9	101.7	91.	

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG • BY TEMP NEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED •• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. HURON. 5 D

24 APRIL

,			
IIS GMT	153	16.	n

	IME MIN	CNTCT	HE I GHT	PRES MB	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP M/SEC	V CCMP M/SEC	POT T	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	' AZ
										_						
	0.0	9. 9	392.0	964.8	6.7	5.0	360.0	0.0	0.0	0.0	283.5	298•2	5.7	89.0	0.0	0.
	99.9	99.9	99.9	1000.0	99 <b>.</b> 9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
	99.9	99.9	90.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
	0.4	10.9	519.4	950.0	7.2	6.2	112.5	8.8	-8.2	3.4	285.3	301.5	6.3	93.4	0. 1	258.
	1.0	13.3	739.1	925.0	7.2	5.1	117.6	7.0	-6.2	3, 2	287.4	303.1	6.0	86.5	0.4	292.
	167	15.6	964.4	900.0	5.6	4+3	111-1	4.3	-4.0	1.6	268.0	303.3	5.6	91.2	0.6	
•	2.4	18.0	1194-1	875.0	3.4	3, 2	111.2	2.7	-2.5	1.0	288.1	302.7	5.5	98.4	0.7	
	3. 2	20.5	1429.6	850.0	3.8	3.6	272.1	5.0	5.0	-0.2	290.9	306.6	5. 9,	98.5	0.8	294.
	4.0	22.9	1674.3	82540	8.7	-1.3	267.5	12.5	12.5	0.5	298.3	310.2	4.2	49.7	0.4	325.
	4.5	25.5	1928.7	800.0	7.5	-2.1	265.3	11.1	11-1	0.9	299.7	311.3	4+1	50.7	. 0. 5	46.
	5.7	28.0	2169.2	775.0	5.5	-3.1	255.5	8.9	0.6	2, 2	300.2	311.3	3.9	54.0	1.0	65.
	6.5	30.7	2456.8	750.0	4.2	-3.9	255.1	8.3	8+0	2.1	301.6	312.6	3• E	55.4	1.4	68.
	7.4	33,4	2731.6	725.0	1.7	-5.5	258.4	7.8	7.6	1.6	301.8	311.9	3.5	58.9	1.9	69.
	8.3	36.0	3013.3	700.0	-0.4	-8.3	268.0	6.1	8.1	0.3	302.4	310.9	2. 9	55+2	2.2	71.
	9.2	38.9	3303.2	675.0	-2.5	-11.6	276.7	9.7	9.6	-1-1	303.1	310.0	5.3	49.8	2.7	76.
	10-1	41.6	3601.2	650.0	-5.3	-13.6	280.6	10.5	10.3	-1.9	303.2	309.3	2.1	52.2	3.2	79.
	11.0	44.5	3907.8	625.0	-8.0	-14-1	284.1	11.2	10.9	-2.7	303.5	309.7	2 • 1	61.6	3. B	83.
	12.0	47.5	4223.6	600.0	-10.8	-15.7	285.3	10.7	10.3	-2.8	303.9	309.5	1.9	67.0	4.4	86.
	12.9	50.5	4549.5	575.0	-12.9	-24.4	278.5	11.6	11.5	-1.7	305.0	307.9	0.9	38.0	4.9	89.
	13.9	· • • • • • • • • • • • • • • • • • • •	4887.0	550.0	-15.5	-18.6	272.5	13.3	13.3	-0.6	305.6	310.8	1.6	79.3	5. 7	59.
	15.0	56.5	5237.0	525.0	-17.6	-19.4	267.3	13.5	13.5	0.6	307.4	312.3	1.6	85.8	6.6	89.
	16.1	59. 5	5600.4	500.0	-20.2	-26.1	262.5	11.6	11.5	1.5	300.4	311.3	0.9	59.5	7.4	89.
	17.3	63.1	5978.6	475.0	-22.9	-32.1	263.0	10.6	10.7	1.3	309.7	311.5	0.5	42.4	8. 2	88.
	18.5	e 6 . 5	6372.4	450.0	-26.4	-34.2	263.1	11.7	11.6	1.4	310.1	311.6	0.5	47.5	9.0	87.
	19.8	70.1	6783.0	425.0	-28.8	-38.2	261.6	14.9	14.7	2• 2	312.1	313.2	0.3	39.9	10.0	87.
	21.1	73.6	7213-7	400.0	-32.3	<b>-50.3</b>	256.0	18.9	16.4	4.6	312.9	313.3	0. 1	14.8	11.3	86.
	22.5	77.5	7666.2	375.0	-35.2	-58.2	246.9	22.8	21.0	8. 9	315.0	315.1	0.0	8.6	12.9	84.
	24.1	61.3	8143.6	350 € €	-38.7	99.9	240.5	25.7	22.4	12.6	316.6	999•9	99.9	999.9	15.2	81.
	25.9	85.4	6648.0	325.0	-42.9	99.9	242.6	27.0	23.9	12.4	317.6	993.9	99.9	999.9	17.9	78.
	27.7	89.7	9181.6	300.0	-47+6	99.9	242.2	25.5	22.5	11.9	317.9	999.9	99.9	999.9	20.6	76.
	29.9	94.3	9750.7	275.0	-51.65	99.9	245.1	26.4	24.0	11.1	320.6	999.9	99.9	999.9	24.0	74.
	32.2	99.0	19364.8	250.0	-54.5	99.9	243.1	26.0	25.0	12.7	325 · 1	999.9	99.9	999.9	27. 8	73.
	34.8	104.0	11032.3	225.0	-59.0	99.9	230.1	31.8	24.4	20.4	326.1	999.9	99.9	999.9	32. 1	71.
	37.6	109.5	11775.2	200.0	-56.4	99.9	249.7	30.8	28.9	10.7	343.4	959.9	99.9	999•9	37. 6	69.
	40.7	115.2	12623-1	175.0	-57.0	99.9	237.9	. 21.4	18.1	11.4	355.8	999.9	99.9	999.9	41.9	69.
	44.3	121.5	13599.6	150.0	-57.5	99.9	253.1	22.1	21.2	6.4	371.1	999.9	99.9	999.9	47.2	65.
	48.6	128-5	14746.1	125.0	-57.6	99.9	253.5	28.5	27.4	8.1	390.3	999.9	99.9	999.9	52.7	69.
	53.6	135.8	16163.9	100.0	-54.0	99.9	260.8	25.8	25.5	4.1	423.5	999.9	99.9	999.9	60.2	70.
	59, 9	142.0	18035.6	75.0	-53.0	99.9	204.8	20.0	8.4	18.1	461.9	999.9	99. 9	99 9• 9	67.0	69e
	68.1	150.3	27615.9	50.0	-53.0	99.9	265.3	7.5	7.5	0.6	516.8	999.9	99.9	999.9	70.4	69.
	50.2	158.3	25115.8	25.0	-50.7	99.9	238.9	3.2	2.7	1-6	639.5	. 999.9	9949	999.9	71.5	68.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655 ST CLOUD. MINN

24 APRIL 1975

1115 GMT 163 12. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTQ	PH	RANGE	_
MIN		GPM	MB .	CC C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KN	DG
0.0	6.6	316.0	976.3	5.9	4.5	70.0	3.6	-3.4	-1.2	281.7	295.6	5.4	91.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.0	6.7	326.9	975.0	5.9	4.6	76. I	4.2	-4.1	-1.0	261.6	295.8	5.5	91.6	0.0	336.
0.9	8.5	539.6	950.0	4.6	4.5	86.7	6.7	-6.6	-0.4	282.5	296.9	5.6	99.5	0.3	265.
1.9	10.9	756.5	925.0	2.6	2.6	78.2	6.3	-6.1	-1.3	282.6	295.5	5.0	100.8	0.7	265.
2.6	13.1	977.6	900.0	1.0	1.0	80.4	6.1	-6.0	-1.0	283.2	295.2	4.6	100.5	1.0	
3.4	15.4	1204.7	875.0	1.7	0.5	94.4	7.3	-7.3	0.6	266.2	298.2	4.6	91.8	1.3	
4.3	17.5	1439.0	850.0	2.1	0.4	78.9	6.8	-6.7	-1.3	288.9	301 • 4	4.7	88.7	1.7	
5.3	19.9	1679.9	825.0	1.4	-1.4	66.5	5.9	-5.5	-2.2	290.6	302.0	4.2	.81.4	2.1	
6.2	22.1	1927.9	800.0	1.2	-8.8	351.5	3.9	0.0	-3.9	292.7	299.8	2.5	48.4	2. 2	
7.2	- 24.6	2183.9	775.0	2.3	-25, 3	323.7	5.0	3.0	74.1	296.4	295•4	0.6	10.8	2. 2	
8.2	26.9	2448.1	750.0	1.3	-24+1	315.0	6.2		-4.4	298.1	300 • 3	0.7	12.9	2. 1	
9.1	29.5	2720.1	725.0	-0.5	-25.0	308.6	6.9	5.4	-4.3	299.0	301.2	. 0.7	13.5		234.
10.1	32.1	2999.3	700.0	-2.4	-25.7	302.5	. 8.6	7.3	-4.7	299.9	302.1	0.7	14.0	1.9	
11.2	34. 9	3286.8	675.0	-4.5	-17,9	295.6	9.5	8.6	-4.1	300.8	305.1	1.4	35.2		201.
12.2	37. 3	3583.1	650.0	-6.6	-14.4	285.2	9.4	9-1	-2.5	301.7	307.5	1.9	53.7		185.
13.2	40.1	3868+2	625.0	-9.2	-18.5	283.0	10.0	9.7	-2.2	302.1	306.5	1.4	46.7	2. 1	
14.3	42.8	4203.1	600.0	-10.8	-33.4	255.9	10.7	10.3	-2.9	303.6	304.8	0.4	13.6		154.
15.5	45.5	4528.8	575.0	-12.7	-47.6	284.2	12.8	12.4	-3.1	305.1	305.4	0.1	3.5		143.
16+6	48.9	4866.5	550.0	-15.0	-40.0	282.0	13.5	13.2	-2.6	306.3	307.0	0.2	9.6	3.8	
17.6	£1.8	5216.7	525.0	-17.6	-38.5	280.0	13.3	13.1	-2.3	307.3	308.2	0.3	14.2		128.
19-1	55.0	5579.8	500+0	-20.2	-36.8	282.5	15.0	14.6	- 3. 2	308.4	309.4	0.3	21.1		122.
20.3	58. 1	5957.6	475.0	-22.9	-39.3	276.7	16.4	16.3	-1.9	309.6	310.5	0.3	20.6	6.7	
21.7	61.6	6352.2	450.0	<b>⊕25∙2</b>	-41.6	268.4	18.7	18.6	0.5	311.6	312.3	0.2	19.7		114.
23.2	65. I	6764.5	425.C	-28.2	-48.2	266.3	18.8	18.5	0.5	312.8	313.2	0.1	13.4		110.
24.6	68, 6	7197.7	400.0	-30.8	-59.7	270.4	20.7	20.7	-0.1	314.8	314.9	0.0	4.0	11.2	
26.3	72, 2	7652.4	375.0	-34.4	-61.3	265.7	26.4	26.3	2.0	316.0	316.1	0.0	4 6 5		194.
28.1	76.2	5131.3	350.0	-38.2	-59.7	264.1	29.4	29.3	3.1	317.1	317.3	0.0	8.3		100.
29.9	60.3	6637.1	325.0	-41.8	99.9	253.6	32.5	31.2	9.2	319.1	999.9	99.9	999.9	19.6	
31.8	84.6	9175.2	300.0	-45.6	99.9	250.4	30.9	29.1	10.4	321.1	999.9	99. 9	999.9	22.8	
33.6	89.0	9749.8	275.0	-49.4	99.9	243.9	32.6	29.3	14.3	323.7	99909	99.9	999.9	26.1	90.
35.6	94.0	10367.3	250.0	-54.6	99.9	235.9	30.0	24.8	16.5	324.9	999.9	99.9	999.9	29. 6	
39-1	99.0	11035.4	225.0	-59.3	99.9	233.9	32.7	26.4	19.2	327.6	999.9	99.9	999.9	33. 2	-
40.5	104.4	11770.1	200.0	-60.6	99.9	246.3	33.2	30.4	13.4	336.8	999.9	99.9	999.9	37.7	79. 78.
43.3	110.6	12597.5	175.0	-62.6	99.9	256.5	33.9	32.9	7.9	346.6	999.9	99.9	999.9 999.9	49.4	78.
46.7	117.0	13562.5	150.0	-57.0	99.9	263.5	26.9	26.7	3.1	371.9	999.9	99.9	999.9	55.3	79.
50.7	124.7	14725.9	125.0	-54.5	99.9	251.6 264.5	23.3 17.1	22.1 17.0	7.3	396•4 427•4	999•9 999•9	99. 9 99. 9	999.9	61.7	79.
56.0	133.0	16164.8	100.0	-52.0 -56.3	99•9 99•9	256.7	25.3	24.8	1.6 5.0	454.8	999.9	99.9	999.9	68.6	
62.2	142.0	18014.3	75.0	-54.7	99.9	202.6	705	2.9	6.9	514.6	999.9	99.9	999.9	73.2	
69.9	151.3	20603.2 25075.3	50.0	-50.0	99.9	340.7	4.5	1.5	-4.3	641.3	999.9	99.9	999.9	74.5	
82.3	162.3	420/203	25.0	-2000	7797,	3-04/	-03	100		2-1-3	77767	7707	77 70 7	1443	0.0

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OF TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 662 RAPID CITY. 5 D

#### APRIL 24 1975 1115 GMT

148 14. 0 TIME CNTCT **HEIGHT** PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO. RH RANGE AZ GFM DG M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN MB DG C DG C M/SEC 898.4 287.6 14.2 303.1 5.9 97.0 0.0 0.0 966.0 5.0 4.6 350.0 2.6 0.5 -2.6 0. 999.9 99.9 999.9 999.9 999. 99.9 1000.0 59.9 99.9 99.9 99.9 99.9 99.9 99.3 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 399. 99.9 95.9 99.9 950.0 99.9 99.9 99.9 99.9 925.0 99.9 29.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 399. 99.9 99. 7 99.9 900.0 99.9 1183.7 875.0 999.9 99.9 99.9 293.1 305.2 55.9 999.9 999. 0.5 16.0 8.4 0.1 99.9 4.4 1.7 18.3 1422.5 850.0 5.9 -1.3 300.7 10.8 9.3 -5.5 292.9 304.2 4-1 59.8 0.7 121. 2.4 20.4 1666.3 825.0 3.9 -1-6 294.7 14.1 12.8 -5.9 293.2 304.4 4-1 66.5 1.2 120. 3.1 22.5 1915.5 800.0 1.7 -3.1 289.7 16.9 15.9 -5.7 293.4 303.9 3.8 70.2 1.9 117. 24.5 2171.2 775.0 -4-4 284.3 20.6 -5.3 295.4 305.4 66.9 2.9 113. 4.3 1.1 21.2 3.6 750.0 -9.4 297.1 304.3 48.5 4.0 110. 26.9 2434.7 0.2 278.2 18.5 18.3 -2.7 2.5 4.9 272.0 4.9 107. 29.3 725.0 297.9 304.1 45.4 2705.8 -1-7 -11.9 16.0 16.0 -0.6 2.1 5.8 303.9 43.9 5.7 104. 700.0 262.0 14.4 2.0 298.5 6.7 31.8 2984.1 -3.8 -14.2 14.5 1.8 3270.5 -5.4 -26.4 252.8 15.3 4.7 299.7 301.6 0.7 17.2 6.7 100. 7.9 675.0 16.0 34.3 300.4 302.5 20.6 7.5 97. 36.6 3565.3 650.0 -7.6 -26.4 241.6 16.0 14.0 7.6 0.7 8.8 300.2 302.4 25.5 92. 10.0 39.2 3868.7 625.0 -10.8 -26.7 229.2 15.1 11.4 9. 9 0.7 2 • 3 11.0 41.7 4181.3 600.0 -13.0 -37.2 232.9 15.0 12.0 9.0 301.1 302.1 0.3 13.1 8.9 88. 12.0 44.4 4503.5 -42.B 240.1 14.1 12.2 7.0 301.1 301.6 0.1 7.9 9.9 85. 575.0 -16.1 10.7 13.1 47. 3 4836.6 550.0 -18.4 -41.7 249.0 12.6 11.7 405 302.2 302.8 0.2 10.5 83. 303.9 304.4 11.0 83. 14.1 50.1 5182.1 525.0 -20.4 -43.1 254.5 14.0 13.5 3.7 0.2 11.3 82. 305.7 12.5 12.3 15.2 5269 5541.6 500.0 -22.8 -43.9 243.8 17.8 16.0 7.9 305.2 0.2 £5. 8 5915.6 475.0 -25.6 -46.7 229.7 19.9 15.2 12.9 306.3 306.7 0.1 11.7 13.5 80. 16.2 -48.7 214.4 14.8 21.7 307.7 308.0 0.1 11.9 15.0 75. 17.7 59.0 6305.1 450.0 -28.3 26.3 19.3 £2.4 6712.7 425.0 -31.0 -49.8 271.8 29.7 15.6 25.2 309.2 309.6 0.1 13.6 17.1 68. 20.7 22.6 310.9 311.2 0.1 13.9 19.7 64. 20.9 65.7 7140.5 400.0 -33.8 -52.0 222.2 30.8 22.4 69.1 7589.7 375.0 -37.0 -5444 232.0 31.0 20.8 23.1 312.5 312.7 0.1 14.3 22.2 61. 23. 9 72.7 5063-7 350.0 -40.2 99.9 22206 32.4 21.9 23.9 314.6 999.9 99.9 999.9 24.9 59. 25.5 76.6 8566.4 325.0. -43.5 99.9 228.4 31.2 23.3 20.7 316.7 997.9 99.9 999.9 28.1 58 999.9 99.9 999.9 31.1 57. 27.4 80.6 9101-1 300.0 -46.7 99.9 237.8 23.9 20.3 12.7 319.5 275.0 999.9 99.9 999.9 33.4 57. 84.8 9672.5 235.3 13.4 9.3 321.3 29.1 -51.1 99.9 16.3 215.5 20.6 12.0 326.3 999.9 99.9 999.9 35• 1 57. 31.1 89.2 10287.9 250.0 -53.6 99.9 16.5 999.9 99.9 999.9 38.3 55. 33.6 94.2 10961.7 225.0 -56-0 99.9 241.7 27.1 23.9 12.8 332. € 99.4 11717.6 200.0 99.9 254.8 26.7 25.7 7.0 347.8 999.9 99.9 999.9 42.8 57. 36.4 -53-6 999.9 99.9 999.9 38.9 .105.0 12571.7 175.0 -56.2 99.9 245.9 23.1 21.1 9.4 357.2 46.4 58. 999.9 99.9 999.9 50.3 59. 250.4 18.9 17.8 6.4 369.9 42.4 111.3 13547.7 150.0 -58e1 99.9 14703.8 125.0 99.9 252.3 17.8 17.0 5.4 397.8 999.9 99.9 999.9 55.6 61. 46.7 118.7 -53.7 420.5 999.9 99.9 999.9 60. O 60. 51.3 127.0 16135.2 100.0 -55.5 99.9 249.4 21.2 19.8 7.5 56.9 136.5 17973.8 75.0 -55.1 99.9 239.4 15.8 13.6 8. 0 457.5 999.9 99.9 999.9 65.7 61. 64.2 146.0 20581.7 50.0 -57.7 99.9 192.2 3.4 0.7 3.4 507.6 999.9 99.9 999.9 67.2 61. 25070.0 25.0 -49.6 99.9 333.7 3.2 1.4 -2.9 642.3 999.9 99.9 999.9 69.4 51.

76.4

156.5

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG S EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 11001 MARSHALL SPACE FLIGHT CENTER

24 APRIL 1975 1130 GMT

						<b>~</b>	APRIL	14/2								
							1130 G	MT					1	54 21	, 0	
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN	٠,	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.9	180.0	997.1	16.2	14.9	120.6	.3 • 1	-2.7	1.5	293.0	321.0	10.5	81.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0-6	7.5	372.0	975.0	16.8	13.8	194.5	13.3	3.3	12.8	293.4	320.2	10.3	82.8	0.3	<b>360.</b>	
1.3	10.0	593.7	950.0	16.6	15-1	204.9	17.6	7.4	16.0	295.6	325.6	11.5	90.5	0.9	12.	
2.2	12.0	821.7	925.0	16.4	15.2	219.9	21.1	13.6	16.2	297.7	329.1	11.9	92.6	1.9	24.	
2.9	14.4	1055.5	900.0	15.5	13.6	222.1	20.9	14.0	15.5	298.9	328.6	11.1	89.9	2.9	30.	
3.9	16.5	1294.5	875.0	14.0	12.3	228.7	18.9	14.2	12.5	299.7	327.5	10.4	89.5	3.9	34.	
4.7	18.8	1538.9	850.0	12.1	11.1	235.8	20.0	16.5	11.2	300.1	326 • <b>6</b>	9. 9	93.8	4. 9	38.	
5.7	21.0	1789.3	825.0	11.0	8.9	244.8	16.0.	14.4	6.8	301.4	325.0	8.7	86.1	. 5. 8	42.	
6.8	23.5	2046.1	800.0	9.3	6.7	230.6	15.8	13.5	8.2	302.1	323.5	7.8	84.6	6.8	45.	
7.7	25. 5	2309.2	775.0	7.9	6.2	232.4	17+0	13.5	10.4	303.3	324.7	7.7	89.5	7. 7	46.	
6.8	28.2	2579.5	750.0	6.2	5 • 3	234.5	19.3	15.7	11.2	304.3	325 - 1	7.5	94.0	8.8	47.	
9.5	30. 9	2857.3	725.0	5-1	-4.8	237 <b>.</b> 8	20.5	17.3	10.9	305.6	316.6	3.8	50-1	10.0	48.	
10.7	33.6	3144.1	700.0	5.5	-17.2	244.1	19.4	17.4	8.5	30867	313.1	1.4	17.6	11.1	49.	
11.7	36.0	3440.3	675.0	3.8	-12.4	252.1	20.7	19.7	6.4	310.1	316.8	2.2	29.5	12.2		
12.7	36. 8	3746.0	650.0	2.0	-7.3	254.0	22.7	21.6	6• J	311.7	321.9	3.4	49.9	13.5	53.	
13.5	41,4	4061.3	625.0	-0.8	-7.1	251.5	25.3	24.0	e • 1	311.9	322.7	3.6	62.4	15.0	55.	
14.9	44.3	4385.9	600.0	-3.6	-11.5	248.2	24.6	22.9	9• 1	312.3	320.3	2.6	54.1	16.6		
16.1	47.4	4720.5	575.0	-6.6	-11.4	245.6	23.8	21.7	9.8	312.6	321.2	2.8	69.8	18.3	58.	
17.2	50.3	5066.9	550.0	-9.0	-9.0	250.1	21.4	20-1	7. 3	313.9	324.5	3.5	100.3	19.9	58.	
18.4	53.4	5426.1	525.0	-11.4	-12.1	264.2	19.5	19.4	2.0	315.0	32 3. 9	2.9	95.1	21.2		
19.6	56.4	5798.2	500.0	-14.9	-20.0	267.9	22.3	22.3	0.5	315.0	320.2	1.6	67.0	22.5		
20.9	59.7	6184.4	475.0	-16.7	-33.7	270.5	21.8	21.5	-0.5	317.3	319.0	0.5	22.1	24.0	63.	
22.2	63.3	6590.1	450.0	-18.2	-37.9	268.5	20.2	20.2	0. 5	320.4	321.5	0.3	15.7	25.4	65.	
23.6	66.7	7014.1	425.0	-21.7	-41.6	267.3	21.5	21.5	1.0	321.1	321.9	0.2	14.5	27.1	66.	
25-1	70.4	7457+3	400.0	-25.8	-44.7	266.5	22.0	21.9	1.3	321.4	322.1	0.2	14.9	28.9		
26.9	74.1	7921.4	375.0	-28.9	-47.1	273.3	23.2	23.2	-1,3	323.3	323.6	0.1	15.1	31.1	69.	
28.8	78.2	8411.2	350.0	-32.5	-50.0	279.5	22.8	22.5	-3.7	324.9	325.3	0.1	15.5	33.5		
30.6	82.3	8929.2	325.0	-36.8	-53.3	277.7	25.6	25•4	-3.4	325.9	326.2	0.1	15.9	35.9		
32.5	26.7	9478-1	300.0	-41.3	99.9	282.6	25.5	24.9	-5.6	327.2	999.9	99.9	999.9	38. 5	75.	
34.4	91.6	10062.4	275.0	-46.6	99.9	281.1	22.8	22.4	-4.4	327.6	999.9	99.9	999.9	40.9	77.	
36.4	96.4	19687.6	250.0	-51.6	99.9	280-1	24.1	23.7	-4.2	329.4	999.9	99. 9	999.9	43.4	78.	
38.6	101.5	11365.7	225.0	-55 <sub>•</sub> 3	99.9	280.7	30.6	30.1	-5-7	333.7	99919	99.9	999.9	47-1	80.	
41.3	167.5	12109.9	200.0	-59-1	99.9	279.5	33.5	33.0	-5.5	339.3	999.9	99.9	99909	52.0	82.	
43.9	114.0	12942.8	175.0	-60.8	99.9	273.7	30 e 1	30.0	-1.9	349.7	999.9	99.9	999.9	56.7		
46.8	121.0	13898.0	150.0	-62.0	69.9	268+3	28.7	28.6	0.6	363.2	999.9	99.9	- 999.9	61.4	54.	
50.4	129.0	15028.2	125.0	-62.4	99.9	271.4	30.5	30.5	-0.7	382.0	999.9	99.9	999.9	68.4	85.	
54.4	137.3	16390.2	100.0	-65.7	99.9	270.7	22.6	22.6	-0.3	400.8	999.9	99.9	999.9	74.4	85.	
59.6	146.3	18119-9	75.0	-67.9	99.9	271.0	14.9	14.9	-0.3	430.7	999.9	99.9	999.9	77.8		
66.3	156.3	20602.0	50.0	-62.1	99.9	352.4	3.4	0.4	-3, 3	497e2	999.9	99.9	999.9	80° 3		
74.2	144-1	25021-1	25.0	-51-5	99.9	000.0	99.9	99.9	99.9	9.3E3	999.9	99.9	297.9	99909	7774	

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TENE MEANS TEMPERATURE OR TIME PAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED PEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NG. 22002 FT. SILL. OKLA

24 APRIL 1309 GHT 1975

112 165. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB.	DG C	DG C	DG	M/SEC	MSEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	8.3	362.0	965.8	21.0	18.8	160.0	4.6	0.0	4.6	299.0	336.6	14.3	87.0	. 0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.6	9. 7	505.2	950.0	19.8	18.0	215.6	12.3	7.2	10.0	299.1	335.5	13.8	89.2	0.3	21.	
1.5	11.9	735.2	925.0	18.4	17.1	224.1	17.3	12.1	12.4	299.9	335.5	13.4	92.1	1.0	33.	
2.3	14.3	971.1	600°0	15.6	16.2	237.5	10.8	15.9	10.1	302.4	337.5	13.1	86.5	1.9	42.	
3.2	16.5	1213.7	875.0	20.7	-24.1	244.2	13.4	12.1	5.0	305.5	308 • 8	1.1	6.7	2.7		
4.1	19.0	1463.8	850.0	21.4	-36.9	239.5	11.4	9.8	5.8	308.6	309.2	0.2	1.0	3. 4		
5 • 1	21.3	1720.9	825.0	19.9	-37.8	251.1	7.4	7.0	2.4	309.6	310.2	0.2	1.0	3.9		
6.1	23.8	1984.2	800.0	17.8	-39.1	258.7	7.4	7.2	1.4	310.1	310.7	0.2	1.0	4.3	55.	
7.2	26 • 2	2253.6	775.0	15.3	-40-2	257.6	9.3	9.1	2.0	310.2	310.8	0.1	1.0	4.8	58.	
8.3	28.9	2529.5	750.0	12.8	-39.2	252.8	11.5	11.0	3. 4	310.5	311.1	0.2	1.4	5.4	60.	
9.3	31.6	2612.4	725.0	10.5	-38.8	248.6	1.3.7	12.7	5.0	310.9	311.6	0.2	1.7	6• 2		
10.4	34.3	3102.7	700.0	8.0	-32.6	248.3	16.9	15.7	6•2	311.4	312.6	0.4	3.7	7.2		
11.7	37.0	3401.4	675.0	6.6	-31.5	251.8	20.9	19.8	ć. 5	313.1	314.4	0.4	4.5	8.7		
12.9	39.5	3709.6	650.0	4.2	-32.6	251.5	21.6	20.5	6.8	313.7	315.0	0.4	4.8	10.3		
14.2	42.7	4026.5	625.0	1.3	-27.2	249.4	23.6	22.1	8.3	314.0	316.2	0.7	9.7	11.9		
15.3	45.8	4353,2	600.0	-1.4	-26.6	250,9	25.5	24.1	8+4	314.6	316.6	0.6	10.4	1.3. 6		
16.4	48.9	4690.6	575.0	-3.7	-33.4	252.5	29.2	27.8	8•8	315.7	317.1	0.4	7 <b>.</b> 8	15.4		
17.6	51.7	5040+8	550.0	-5.1	-39.2	251.2	31.1	29.4	10.0	318.0	318.8	0.2	4.8	17.5		
.18.8	55.0	5403.7	525.0	-6.4	-41.9	250.5	28.9	27.3	9.7	318.3	318.9	0.2	4.7	19• B		
20. 1	58.3	5750.0	500.0	-11.1	-50.8	247.2	26.1	24.1	10.1	319.5	319.7	0.1	2 • 1	21.9		
21.4	61.7	6172.4	475.0	-13.6	-45.8	248.5	26.0	24.2	9 • 5	321.1	321.6	0.1	4.6	24.0		
22.8	65.3	6581+1	450.0	-17.0	-45.7	252.3	22.1	21.1	6.7	321.9	322.4	0.1	6.2	25. 9		
24.3	68.9	7006.3	425.0	-20.8	-43.6	254.9	25.2	24.3	6.6	322.2	322.9	0.2	10.9	28.0		
25.9	72.6	7450.8	400.0	-24.7	-40.9	258.1	24.2	23.7	5.0	322.9	323.8	0.3	20.4	30.3		
27.6	76.7	7916.8	375.0	-28.5	-43.0	260-1	30.0	29.6	5.2	323.8	324 • 6	0.2	23.1	33.0		
29.3	20.7	8407.8	350.0	-31.5	-47.0	259.3	26.5	26.3	5.0	326.3	326.8	0.2	19∙8	35. 9		
31.0	€5 <b>•</b> 0	8927.5	325.0	-35.5	-51.8	259.0	27.8	27.3	5.3	327.7	328 • 1	0.1	16.7	39.0		
32.9	89.5	9478.6	300.0	-40.4	99.9	258.1	28.8	28+1	5.9	328.5	999.9	99.9	999.9	41.9		
34.8	94.3	10065.3	275.0	-45.2	99.9	260.5	27.6	27.3	4.6	329.7	999.9	99.9	999.9	44.9		
36.7	99.3	10694.8	250.0	-50.2	99.9	265.9	24.1	24.0	1.7	331.4	999•9	99.9	999.9	48.3		٠
38.9	104.6	11376.3	225.0	-54.6	99.9	263.3	25•3	25.1	3.0	334.9	999.9	99.9	999.9	51.2		
41.1	110.4	12120.1	200.0	-60.1	99.9	270.0	26.9	26.9	-0.0	337.6	999.9	99.9	999.9	54.6		
43.5	116.3	12944.0	175.0	-64.0	99.9	999.9	99.9	99.9	99.9	344.4	999.9	99.9	999.9	993.9		
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	100.0	99.9	<b>99.</b> 9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	59, 9	99•9	75.0	99.5	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	59.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	59.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.5	999.9	999. 9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

24 April 1975

1500 GMT

176-216

# STATION NO. 206 CHARLESTON. SC

24 APRIL 1975 1500 GMT

162	28.	
		^

	TIME	CATCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG.	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	4.5	13.0	1022.7	24.0	14.7	210.0	7.2	3.6	ۥ2	296.7	324.0	10.4	56.0	0.0	0.	
	0.5	6.2	208.7	1000.0	21.5	12.4	214.2	11.9	6.7	9.9	295.8	320.0	9.1	56.4	0.4	37.	
	1.3	8.2	427.7	975.0	19.4	12.2	215.5	11.2	7.1	8.6	295.9	320.3	9.2	62.8	0.9	37.	
	1.9	10.3	65C.9	950-0	17.5	11.2	216.4	10.8	6.4	8.7	296.1	319.7	8.9	66.8	1.3	38.	
	2.6	12.2	878.2	925.0	15.1	11.6	209.5	10.6	5.2	9.2	296.C	320.8	9.3	79.5	1.7	36.	
	3.3	14.4	1110.1	900.0	13.0	9+8	214.1	11.3	6.3	9.4	296.1	318.9	8.5	80.8	2.2	35.	
	4.1	16.3	1346.6	875.0	12.0	1.4	214.9	10.5	6.0	8 • 6	296.9	310.4	4.9	48.4	2.8	35.	
,	4.9	18.5	1589.1	850.0	11.6	-3.5	228.8	7.1	5,4	4.7	298.7	308 • 6	3.5	34.7	3. 2	36.	
	5.5	. 20.7	1838.5	825.0	10.4	4.1	242.8	5.2	4.7	2.4	300.4	317.8	6.3	65.3	3.4	37.	
1.	6.3	. 22. 9	2094.1	800.0	8.5	0.9	263.4	4.7 .	4.7	0.5	300.9	315.3	5.1	58.7	3. 6	39.	
	7-1	25.2	2356.2	775.0	7.1	-4.0	259.4	4.7	4.6	0.9	301.9	312.7	3.8	46.1	3. 7	42.	
	7.9	27.5	2625.4	750.0	6.4	-11-9	252.0	- 4.9	4.6	1.5	303.8	309.9	2.1	25.7	3.9	44.	
	2.7	29.9	2903.0	725.0	5.2	-0.2	252.7	4.9	4.7	1.5	305.8	320.7	5.2	58.2	4.1	4.5.	
	9.6	32.4	3189.4	700.0	3.6	-0.1	261.2	4.6	4.5	0.7	307.2	322.8	5.4	76.6	4.3	47.	
	10.5	35.0	0.484E	675.0	2.1	-1.3	263.3	5.9	5.8	0.7	308.6	323.6	5.2	78.5	4.5	49.	
	11.3	37.4	3788.6	650.0	0.9	-4.4	272.9	6.7	6.7	-0.3	310.5	323.1	4.3	67.6	4.8	51.	
	12.3	40.1	4103.5	625.0	-0.4	~9.2	297.1	7.2	6.4	-3.3	312.3	321.6	3.0	51.4	5. i	55.	
	13.5	42.7	4429.2	600.0	-1.9	-19.4	311.8	9.9	7.4	-6.6	314.0	318.5	1.4	25.2	5. 3	61.	
•	14.5	45.4	4766.0	575.0	-4.6	-20-4	318.0	11.9	8.0	-6.8	314.8	319.0	_1.3	27.8	5.5	67.	
	15.6	48.4	5114.0	550.0	-7.5	-18.5	322.5	13.9	8.4	-11.0	315.4	320.5	1.6	40.8	5.8	7ۥ	
	16.8	51.2	5474.0	525.0	-10.7	-24-6	326.6	12.9	7.1	-10.8	315.6	319.1	1.1	32.6	6.3	84.	
	18.0	54.3	5848.4	500.0	-11.5	-31.7	319.6	11.4	7.4	-8.7	319.0	320.8	0.5	16.8	6.7	91.	
	19.4	57.3	6239.2	475.0	-14.6	-34-1	301.4	12.0	10.3	-6.3	319.8	321.4	0.4	17.1	7.5	96.	
	21.0	60.6	6647-1	45C.0	-16.7	-35.7	287.4	13.5	12.9	-4.0	322.3	323.7	0.4	17.3	8.7	98.	
	22.7	64.0	7073.8	425.0	-20.0	-38.3	290.3	14.7	13.8	-5.1	323.3	324.4	0.3	17.7	10. 1	100.	
	24.4	67.3	7520.2	400.0	-23.7	-41.2	285.4	14.8	14.3	-3.9	324.2	325.1	0.3	18.1	11.5	100.	
	26.2	70.8	7968.9	375.0	-26.8	-43.6	293.1	15.2	14.0	-6.0	326.1	326.9	0.2	18.4	13.2	101.	
	28.3	74.6	8482.8	350.0	-31.0	-47-0	299.4	16.9	14.8	-8.3	326.9	327.5	0.2	18.8	15.1	103.	
	30.5	78.7	9003.3	325.0	-35.4	-50.6	297.6	20.6	18.2	-9.5	327.8	328.2	0.1	19.3	17.5	106.	
: =	32.6	82.5	9556.1	300.0	-39.7	99.9	304.7	25.0	20.5	-14.2	329.4	999.9	99.9	999.9	20.2	108.	
: 1	34.7	£6.7	10145.2	275.0	-44.5	99.9	394.3	26.0	21.5	-14.7	330.8	999.9	99.9	999.9	23.5	110.	
	37.1	91.4	10775.3	250.0	-49.9	99.9	297.1	21.3	18.9	-9.7	331.9	999.9	99.9	999.9	26.7	112.	
	39.8	96.2	11457.4	225.0	-54.1	99.9	286.1	23.2	22.3	-6.4	335.6	999.9	99.9	999.9	30.0	111.	
	42.9	101.5	12202.0	200.0	-60.1	99.9	287-3	24.2	23.1	-7.2	337.6	999.9	99.9	999.9	34.4	111.	
	46.0	107.3	13028.5	175.0	-62.5	99.9	284.7	32.0	31.0	-8.1	346.9	999.9	99.9	999.9	39.6	110.	
	49.6	113.5	13992.9	150.0	-56.3	59.9	288.7	28.5	27.0	-9.1	373.1	999.9	99.9	999.9	46.5	109.	
	53.9	120.7	15142.3	125.0	-60.3	99.9	302.2	18.3	15.5	-9.8	3€5.€	999.9	99.9	999.9	52.4	109.	
٠.	58.3	128.7	16502.3	100.0	-68.7	99.9	280.7	12.4	12.2	-2.3	395.0	999.9	99.9	999.9	56. 7	110.	
	64.1	137.7	18217-3	75.0	-67.2	99.9	295.0	10.6	9.6	-4.5	432.1	999.9	99.9	999.9	62.2	109.	
	71.4	146.5	20706.1	50.0	-60.4	99.9	84.4	4.4	-4-4	-0.4	501-1	999.9	99.9	999.9	64.4	111.	
	99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 211 TAMPA. FLA

24 APRIL 1975 1430 GMT

166 13. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC ·	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.5	8.0	1022.1	25.1	15.4	120.0	6.2	-5.4	3. 1	297.9	326.7	10.9	55.0	0.0	0.
0.		198.9	1000.0	22.2	12.8	118.4	7.7	-6.8	3. 7	296.6	321.5	9.4	55.4	0.4	
1.		418.5	975.0	20.2	12.5	134.2	8.3	-5.9	5.8	296.7	322.2	9.6	62.5	0.8	
2.0	10.5	642-1	950.0	17.8	12.2	138.3	8.8	-5.8	6.5	296.6	321.6	9.4	69.4	1.2	
3.	12.5	€69.8	925.0	15.7	10.6	136.7	5.5	-5.9	6.2	296.6	320.0	8.8	71.8	1.6	
4.	14.9	1102-1	900.0	14.9	6.3	124.0	7.5	-6.2	4.2	297.8	316.0	6.7	56.2	2.1	
5.	3 17.0	1340.0	875.0	14.4	-6.5	91.6	5.6	-5.6	0.2	299.1	306.8	2.7	22.9	2.4	
6.	19.4	1584.5	850.0	14-1	-10-4	77-1	5.9	-5.8	-1.3	301.2	307.3	2.0	17.2	207	302.
7.	21.5	1835.6	825.0	13.0	-11.3	98.4	6.6	-6.6	1.0	302.6	308 • 4	2.0	17.3	3.0	298.
8.	3 24.0	2093.0	800.0	11.5	-12.4	109.0	4.8	-4.5	1.6	303.7	309.2	1.8	17.4	3, 3	297.
9.		2356.9	775.0	9.3	-14.1	65.2	2.1	-1.9	-0.9	304.1	309.1	1.7	17.5	3. 5	296.
10.		2628.5	750.0	9.5	-14.0	9.1	3.0	-0.5	-3.0	307.1	312.4	1.7	17.5	3.5	293.
11,0		2909.1	725.0	8.4	-14.8	354.4	2.7	0.3	-2.7	308.9	314.1	1.7	17.6	3,4	290.
12.		3198.4	700.0	6+2	-15.5	6.4	2.9	-0.3	-2.9	311.7	316.9	1.6	16.9	3.4	287.
14.		3497.9	675.0	6.8	-12.8	343.8	2.7	0.8	-2.6	313.5	320.1	2.1	23.2		283.
15.		3506+6	650.0	4+6	-12.4	333.6	4.0	1.8	-3.6	314.5	321.6	2.3	27.8		281.
16.		4125.0	625.0	2.8	-15.6	332.1	4.9	2.3	-4.3	315.9	321.6	1.5	24.3	3. 0	
17.		4454.1	600.0	0.5	-11.9	335.6	6.1	2.5	-5, €	317.0	325.0	2.6	38.9		268.
19.		4754.0	575.0	-2.4	-10.3	337.5	9.6	3.7	-8.9	317.6	327.0	3.0	54.5	2. 6	255.
20.		5145.7	550.0	-4.4	-12.2	340.2	11.7	4.0	-11.0	319.2	327.7	2.7	54.4	2. 7	
21.0		5511.2	525.0	-6.6	-15.4	337.2	11.8	4.6	-10.8	320.7	327.7	2.2	49.3	3. 1	217.
23.		5890.6	500.0	-9.3	-17.9	340+3	9.4	3.2	-6.9	321.9	328.0	1.9	49.2		204.
24.		6285•2	475.0	-12-6	-21.3	326.6	7.2	4.0	-6.0	322.5	327.4	1.5	46.1	4.2	197.
26.		6695.8	450.0	-15.8	-23.9	323.9	7.9	4.6	-6.4	323.5	327.6	1.2	49.7		190.
27.		7124.7	425.0	-10.8	-27.4	308.5	9.8	7.6	-6.1	325.0	328.2	0.9	46.4		182.
29.		7574.6	400.0	-20.7	-39.8	294.4	12.3	11.2	-5.1	328.1	329.2	0.3	16.5		173.
31,		8049+5	375.0	-23.8	-35.0	296.9	14.5	13.0	-6.6	330.1	332.0	0.5	34.5		162.
33.4		8549.8	350.0	-27.8	-37.5	292.8	14-6	13.5	-5.7	331.2	332.8	0.4	38.9		153.
35.		9077.6	325.0	-32-1	-40.0	299.4	14.0	12.2	-6.9	332.4	333.6	0.4	45.0		146.
37.		9637-1	300.0	-36.9	-44.9	296.8	14.6	13.0	-6.6	333.3	334.1	0.2	43.0		143.
39.		10232.8	275.0	-41.8	59.9	293.6	17-1	15.7	-6.8	334.6	999.9	99.9	999.9	.12. 7	
41-		10871.7	250.0	-46.8	99.9	292.8	22.3	20,5	-6.6	336.5	999.9	99.9	999.9		134.
44.4		11561.2	225.0	-52.6	99.9	298-1	26.0	23.0	-12.3	337.9	999.9	99.9	999.9		130.
47.		12310.9	200.0	-58.8	99.9	298.4	28.0	24.6	-13.3	339.7	999.9	99.9	999.9		126.
50.0		13138.7	175.0	-64.3	99.9	292.8	28 • 5	26.3	-11.0	343.9	999.9	99.9	999.9		126.
53.		14093.8	150.0	-60.2	59.9	294.5	20.1	18.3	-8.3	366.4	999.9	99.9	999.9		124.
57.		15220.3	125.0	-64.9	99.9	300.0	21.2	18.4	-10.€	377.5	999.9	99.9	999.9		123.
61.0		16563.8	100.0	-70.6	99.9	279.1	15.2	15.0	-2.4	391.4	999.9	99.9	999.9		121.
67.		18249.5	75.0	-71.2	99.9	303.9	8.5	7.0	-4.7	423.7	999.9	99.9	999.9		119.
75.		20716.0	50.0	-60.6	99.9	16.0	3.0	-0.8	-2.9	500.0	999.9	99.9	999.9		123.
87.	3 164.3	25159.9	25.0	-52.9	99.9	50.9	5.3	-4-1	-3.4	633.1	999.9	99.9	999,9	<b>-5.</b> 6	125.

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

24 APRIL 1975 . 1503 GMT

							2.	APRIL	13/2								
				•				1503 G	MT					1	64 15.	. 0	
Ŧ	IME	CNTCT	HEIGHT	PRES	TEMP	DE W PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	7
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	3.3	44.0	1017.4	24.7	15.1	180.0	5.1	0.0	5-1	297.6	326.2	10,7	55.0	0.0	0.	
	0.4	4.6	195.2	1200-0	23.3	15.0	181.0	1.2	0.0	1.2	297.9	326.7	10.8	59.8	0.3	8.	
	0.9	6.3	415.5	975.0	20.7	13.2	181.4	3.5	0.1	3.5	297.3	323.5	9.9	62.1	0.4	7.	
	1.4	8. 3	639.4	950.0	18.3	12.8	185.2	6.0	0.5	6.0	297.1	323.3	9. 9	70.7	0. 5	6.	
	2.1	10.3	867.5	925.0	15.9	11.9	195.7	6.2	1.7	6.0	296.8	322.1	9.5	77.1	0.8	7•	
•	3.0	12.3	1099.9	900.0	14.5	6.5	200.8	6.2	2.2	5.8	297.4	316.1	6.9	59.8	1.1	11.	
	3.8	1403	1338.3	875.0	14.5	7.7	203.8	4.6	1.9	4.2	299.9	320.6	7.6	63.9	1.4	12.	
	4.7	16.3	1582.7	850.0	12.5	8.8	224.8	5.1	3.6	3.6	300.3	323.3	8.4	78.6	. 1.6	15.	,
	5.6	16.5	1833.3	825.0	11.5	2.2	264.4	4.1	4.0	0.4	301.6	318.9	6.3	60.7	1.8	22.	
	6.5	20.6	2090.8	800.0	12.0	-18.8	242.5	2.4	2.1	1-1	304.1	307.8	1.2	10.8	1.9	26.	
	7.5	22.7	2355.5	775.0	11.0	-18.9	210.5	2.6	1.3	2.2	305.8	309.4	1.1	10.7	2.1	27.	
	8.3	25.1	2627.7	750.0	8.8	-1.4	164.5	1.8	-0.5	1.7	306.7	320.0	4.6	48.7	2.2	26.	
	9.4	27.2	2907.7	725.0	7-1	-1-1	25-1	0.5	-0.2	-0.5	367.9	322.0	4.9	55.8	2. 2	24.	
	10.4	29.7	3195.7	700.0	4.9	-1.7	328.9	1.7	0.9	-1.5	308.5	322.6	4.9	62.4	2. 1	26.	
	11.5	32. 2	3492.1	675.0	3.7	-2.2	308.8	2.5	2.0	-1.6	310.5	324.6	4.3	65.0	2. 1	29.	
	12.6	34.7	3798.0	650.0	1.9	-2.1	317.4	4.6	3.1	-3.4	311.8	326.6	5.1	74.8	2.0	35.	
	13.7	37.1	4113.9	625.0	0.9	-6• l	316.7	6.3	4.3	-4.6	313.9	325.7	3.9	59.7	2.0	46.	
	15.0	39.6	4441.3	600.0	-1.0	-8.4	311.9	7.5	5.6	-5.0	315.4	325.7	3.4	57.2	2.0	60.	
	16.1	42.0	4779.7	575.0	-3.2	-10.2	307.6	8.7	6.9	- 5. 3	316.6	326.1	3,1	58.5	2. 3	74.	
	17.4	44.9	5129.9	550.0	-6.1	-11.8	311.3	8.8	6.6	-5.8	317.1	325.9	2.8	64.3	2.7	85.	
	18.6	47.9	5492.4	525.0	-8.9	-13.9	307.5	10.2	8-1	-6.2	318.0	325.7	2.5	66.9	3. 3	94.	
	19.9	50.7	5868.8	500.0	-11.1	-20-9	293.8	10.6	9.7	-4.3	319.7	324.4	1.5	44.5	4.0		
	21.3	53.7	6261.0	475.0	-13.4	-23.3	281.6	12.1	11.9	-2.4	321.5	325.7	1.3	44.1	4. 9		
	22.8	56.7	6670.4	450.0	-16-2	-23.6	265.3	13.7	13.2	~ 3. 6	322.9	327.1	1.3	52.7		101.	
	24.2	60.0	7095.4	425.0	-19.1	-25.5	288.3	15.7	14.9	-4.9	324.5	328.3	1.1	56.5		102.	
	25.8	63.4	7546.9	400.0	-22.2	-29.3	285.7	18.9	18.2	-5.1	326.1	329.0	0.8	52.3		103.	
	27.3	66.9	8018.3	375.0	-25.7	-34.7	284.9	19.4	18.8	-5.0	327.5	329.4	0.5	42.6	10.8		
	29.1	70.6	8515.0	350.0	-29.3	-43.5	202.7	20.4	19.9	-4.5	329.2	330.1	C. 2	23.7	12.9		
	31.0	74.3	9040+4	325.0	-33.0	-48.1	262.4	21.4	20.7	-5.7	331.1	331.7	0.1	20-1	15.1		
	33.0	78.7	9597.9	300.0	-37.9	-51.0	289.6	22.7	21.3	-7.6	331.9	332.3	0.1	23.7	17.9		
	35,1	62,8	10190.7	275.0	-43.0	99.9	290.7	23.2	21.7	-8.2	332.9	999.9	99.9	999.9	20.8		
	37.2	E7.4	10827.2	250.0	-47.3	99.9	286.9	27.0	25.8	-7.8	335.7	999+9	99.9		23.9		
	39.4	92.5	11514.5	225.0	-53-2	99.9	285.3	30.5	29.4	-8.0	337.0	999.9	99.9	999.9	27.5		
	42.0	97.8	12264.7	200.0	-58.3	99.9	280.4	33.6	33.1	-6.1	340.5	999.9	99.9	999.9	32. e		
	44.6	103.6	13097.8	175.0	-60-9	99.9	284.2	32.1	31-1	-7.9	349.5	999.9	99.9	999.9	37.8		
	48-1	110.5	14056.5	150.0	-60.1	99.9	282.7	26.3	25.7	-5.6	366-6	999.9	99.9	999.9	43, 5		
	51.7	117.8	15189.3	125.0	-63-1	99.9	280-1	23.8	23.5	-4.2	380.8	999.9	99.9	999.9	48.6		
	56.3	126.7	16551.4	100.0	-67.3	99.9	291.9	12.6	11.7	-4.7	397.8	999.9	99.9	999.9	54. 4		
	61.9	137.3	18269.4	75.0	-70-9	99.9	299•4	9.9	8.6	-4.8	424.2	999.9	99.0	999.9		104.	•
	69.5	149.0	20751+5	50.0	-59.0	99.9	66.7	7.8	-7.2	-3.1	504.4	999.9	99.9	999.9	59e d		٠
	<b>01.</b> 3	161.0	25209.9	25.0	-50.5	99.9	212.2	0.9	0.5	0.7	639.5	999.9	99.5	999.9	60.3	106.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 220 APALACHECOLA. FLA

24 APRIL 1975 1430 GMT

							1430 G	MT.					10	51 13.	0
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DÍR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH		ÄZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KW	ņG
0.0	4.6	11.0	1021.5	23.0	19.2	160.0	6+2	-2.1	5.8	296.2	332.3	13.6	79.0	0. 0	0.
0.8	6.5	195.8	1000.0	20.0	16.2	172.0	11.0	-1.5	10.9	294.8	325.3	11.7	78.6		49.
1.6	E. 3	414.1	975.0	16.9	13.9	183.7	12.2	0.8	12.2	295.5	322.7	10.3	72.8		53.
2.4	10.5	637.6	950.0	18.4	12.4	166.5	9.4	1.4	9.3	297.L	322.7	9.6	68.3		59.
3.2	12.5	866.1	925.0	17-1	13.2	105.2	6.1	0.6	6.1	298.2	326.0	10.4	78.1	1.9	0.
4.0	14.7	1099.8	900.0	15.3	12.6	198.5	4.9	1.6	4.6	298.7	326.2	10.3	83.8	2. 1	1.
4.9	16.8	1338.8	875.0	14.3	10.7	223.6	5.3	3.6	3.5	299.9	324 • 9	9.3	78.7	, 2.4	5.
5.9	19-1	1583.4	850.0	12.6	8 • 5	221.8	4.4	2.9	3, 2	300.5	323.0	8. 3	76.1		10.
6.8	21.3	1834.9	825.0	14-1	-2.9	213.4	1.5	0.8	1.2	364.0	315.2	3.9	31.6		11.
7.8	23.7	2094.2	800.0	13.0	3-1	160.0	0.9	-0.2	0.9	305.8	322.8	6.0	50.8		11.
8.7	26.0	2360.3	775.0	11.3	0.5	161.2	2.4	-0.8	2. 3	300.6	321.4	5-1	47.4		10.
9.7	28.4	2633.4	750.0	9.3	-2.5	176.0	3.2	-0.2	3.2	307.3	319.4	4.2	42.3	3.0	A.
10.5	31.0	2914-1	725.0	8.4	-3.3	210.5	2.7	1.4	2.3	309.2	321.4	4.2	43.7	3.2	9.
11.9	33.6	3203.4	700.0	6.4	-5.9	263.0	. 2.0	2.0	0.2	310.0	320.5	3. 5	41.0		11.
1.3.0	36.1	3501-1	675.0	5.6	-7.8	326.6	3.2	1.8	-2.7	312.3	321.9	3.2	37.4		1.3.
14.3	38. 9	3808.7	650.0	3.3	-6.3	347.3	6.0	1.3	-5.6	313.2	324.3	3. 7	49.3		17.
15.5	41.4	4125.9	625.0	1.4	-10-5	334.8	6.2	3.5	-7.5	314.4	322.8	2. 7	40.4		22.
16.7	44.3	4453.2	600.0	-1.2	-11.3	332.4	11.0	5.1	-9.8	315-1	323.4	2.7	45.8		39.
17.9	47.3	4790.9	575.0	-4.3	-11-1	344.4	11.9	3.2	-11.5	315.3	324.1	2. 9	59.2		56.
19.2	50. 2	5140.0	550.0	-6.7	-11.7	336.9	11.0	4.3	-10-1	316.4	325.2	2.8	67.9		84.
20.5	53, 1	5502.4	525.0	-8.6	-14.2	329.9	11.6	5.6	-10.0	318.3	326.0	2.4	64.1		06.
22.0	56-1	5879.6	500.0	-10.4	-17.5	313.8	11.8	6.5	-8.2	320.6	326.8	1.9	55.6	3, 3 1	_
23.5	59.5	6272.8	475.0	-13.3	-20.1	303.4	11.9	9.9	-6.5	321.6	326.9	1.6	56.4	4.4 1	
24.5	62.9	6681.7	450.0	-16.6	-23.5	305.7	13.4	10.9	-7.8	322.5	326.7	1.3	55.1	5.3 1.	
26.5	66.3	7108.8	425.0	-20.0	-25.0	312,7	14.9	11.0	-10-1	323.4	327.3	1.2	64.4	6.8 1	
28. 1	70.0	7555-5	400.0	~2J. 3	-28.3	308.6	16.0	12.5	-10.0	324.7	327.9	0.9	63-3	8.31	
29.9	73.6	8026.2	375.0	-25.6	-36.1	304.1	15.4	12.8	-8.6	327.7	329.3	0.5	36.5	9.9 1 11.8 1	
31.7	77.5	8523-1	350.0	-29.1	-41.4	301.3	19.0	16.2	-9.9	329.5	330.6 331.7	0.3 0.2	29+1 21+3	14.0 1	
33.6	81.5	9049.0	325.0	-33.0	-47.7	302.8	20 • 3 20 • 8	17.0	-11.0 -11.7	331.1 332.7	333.2	0.1	21.0	16.5 1	
35.6	85. 7 50. 3	9606-9	300.0 275.0	-37.3 -42.6	-51.4	304.2 301.3	23.1	17.2 19.7	-12.0	333.5	999.9	99.9	999.9	19.4 1	
37+8 40+1	55.2	10231.2	250.0	-48.2	99.9 99.9	298.0	20.2	21.4	-11.4	334.5	999.9	99.9	999.9	22.1 1	
	100.2	11523.2	225.0	-53.4	99.9	288.8	23.8	22.6	-7.7	336.7	999.9	99.9	999.9	26.1 1	
42.7	105.6	12272.6	200.0	-58.7	99.9	287.8	34.0	32.3	-10.4	339.9	999.9	99.9	999.9	29. 9 1	
45.0			175.0	-63.3	99.9	289.9	29.9	28.2	-10.2	345.5	999.9	99.9	99.5.9	35.9 1	
47.8	111.5	13100.2	150.0		99.9	302.8	23.4	19.7	-12-7	366.0	999.9	99. 9	999.9	41.0 1	
51.4	125.5	15180-5	125.0	-60.4 -66.7	99.9	284.6	19.2	10.6	-4.8	374.2	999.9	99.9	999.9	45.9 1	
55 • 4 60 • 3	133.5	16519.1	100.0	-69.6	99.9	297.3	18.0	16.0	-e.3	393.3	999.9	99.9	999.9	52.4 1	
66.1	141.7	18227.7	75.0	-67.8	99.9	309.9	7.1	5.4	-4.5	430.9	999.9	99.9	999.9	56.0 1	
74.5	150.3	20706.2	50.0	-57.5	99.9	346.6	5.9	1.4	-t.7	508.0	999.9	99.9	999.9	56.7 1	
87.7	159.5	25149.6	25.0	-51.6	99.9	61.3	3.2	-2.8	-1.5	636.4	999.9	99.9	999.9	57.2 1	
														<b>-</b> · · - •	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG • BY TEPP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 -CENTERVILLE. ALA

24 APRIL 1975 1435 GHT

162 15. 0

TIME	CNTCT	FEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	CG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5.9	140.0	1003.9	19.0	17.3	180.0	4.1	0.0	4.1	293.5	325.9	12.5	90.0	G. 0	0.
0.2		173.6	1000.0	18.3	16.7	188.8	9.3	1.4	9.2	293.1	324.3	12.1	90.4	0.2	11.
0.7		390.6	975.0	16.8	16.0	192.1	10.1	2.1	9.8	293.6	324.3	11.8	95.1	0.3	10.
1.4		612.4	950.0	16.0	15.2	209.7	13.7	6.8	11.9	294.9	325.0	11.5	95.0	0. A	14.
2.3		839.6	925.0	15.2	12.7	223.4	16.3	11.2	11.9	296.2	322.8	10.1	85.0	1.6	27.
3.0		1072.3	900.0	14.9	11.5	225.8	15.7	11.3	11.0	298.1	323.6	9.5	80.2	2.3	33.
3.9	18-1	1311-1	875.0	14.4	11.8	232.4	13.5	10.7	8.3	300.1	327.1	10.0	84.8	3.1	37.
4.7	20.5	1556.0	850.0	12.6	11.2	237-1	14-6	12.3	8.0	300.6	327.3	9. 9.	91.0	3. 7	40.
5.6	22.9	1606.5	825.0	11.0	9.6	241.4	13.6	11.9	5.5	301.4	326.3	9.2	90.9	4.4	43.
6.6	25.5	2063.4	800.0	9.6	8.0	244.3	14.7	13.3	6.4	362.4	325.6	8.4	89.8	. 5. 2	46.
7.5	28.0	2326.7	775.0	7.6	6.3	242.7	15.1	13.4	6.9	303.0	324.5	7.8	91.3	5, 9	49.
8+3	30.7	2596.7	750.0	6.0	4.9	240.3	15.7	13.6	7.8	304.1	324.3	7.3	92.2	6.7	50.
9.1	33. ♦	2873.7	725,0	5.7	-23.5	239.4	15.1	13.0	7.7	305.0	308.4	0.6	10.4	7.4	51.
10-1	36.0	3162.5	700.0	7.4	-19.4	245.9	16.1	14,7	6.5	310.9	314.6	1.2	12.7	Be 3	52.
11.0	36.9	3460.6	675.0	5.4	-15-1	255-3	16-1	17.5	4.6	311.9	317.4	1.7	21.0	9. 2	54.
12.0	41.6	3767.6	650.0	2.7	-16.5	259.6	20.0	19.0	3, 5	312.2	317.3	1.6~	22.6	10.3	57.
13.0	44.5	4083.3	625.0	0.2	-16.3	262.1	19.8	19.7	2.7	312.9	318.3	1.7	27.7	11.5	59.
14.0	4.7.5	4403.0	600+0	-2.3	-16.7	270.3	20.1	20.1	-C. 1	313.7	31961	1.7	32.0	12.5	61.
15.1	50.5	4745.6	575.0	-4.6	-10.7	279.8	16.9	18.5	-3.2	314.7	323.7	2.3	63.6	13.7	650
16.3	53.6	5093.6	550.0	-7-6	-11.6	280.6	16.3	16.0	-3.0	315.4	324.2	2.9	73.0	14.5	68.
17.4	56.6	5454.2	525.0	-10.2	-17-5	280.4	19.1	18.8	-3.5	316.3	322.2	1.8	54.9	15.7	70.
16.8	60.0	5627.6	500 • C	-13.8	-23.7	206.7	20.2	19.3	-5.6	316.3	320.0	1.1	42.5	17.0	73.
19.9	63.4	6216.0	475.0	-15.4	-47.5	277.7	20.4	20.3	-2.7	318.9	320.0	0.3	7000	16.2	75.
21.5	66.7	6622.9	450.J	-17-3	-60.9	271.9	20.6	20.6	-0.7	321.4	321.5	0.0	1.0	20.0	77.
22.9	70-2	7045.0	425.0	-20.4	-62,9	276.0	18.4	18.3	-1.9	322.8	322.9	0.0	1.0	21.6	76.
24.4	73.8	7494.4	40 C . O	-24.1	-65·3	277-1	17.8	17.7	-2.2	323.6	323.7	0.0	1.0	23. 2	79.
26.0	77.7	7962.0	375.0	-27.8	-35.8	275.6	21.1	21.0	- ž. 1	324.7	325.0	0.1	7.0	24.9	81.
27.5	81.5	8453.7	350.0	-32.0	-53.8	275.9	21.4	21.3	-2.2	325.6	325.8	0 • 1	9.7	26. B	82.
29.1	€5.6	8972.8	325.0	-36.5	-43.3	268.3	20.6	20.6	0.6	326.3	327.3	0.2	49.1	28.7	82.
30.9	89.8	9522.2	300.0	-41.1	99.9	264.4	24.7	24.5	2.4	327.5	999.9	99.9	999.9	31.3	<b>93.</b>
32.9		10107-3	275.0	-46.2	99.9	268.4	26.2	26.2	0.8	328.4	999.9	99.9	999.5	34.6	63.
35. 1		10732.8	250.0	-51.9	99.9	271.6	24.9	24.8	-0.7	328.9	999.9	99.9	999.9	38.0	84.
37.6	104.3	11410.2	225.0	-55.2	99 <b>.</b> 9	283.7	27.2	26.4	-6.4	333.9	999.9	99. 9	999.9	41.8	85.
40.2		12157.4	200.0	-58.2	99.9	285.4	27.3	26.4	-7.3	340.6	983.49	99.9	999 <b>.</b> 9:	46.5	87.
43, 5	115.6	12996.6	175.0	-59.8	99.9	257.4	28.6	28.6	1.3	351.3	599 <b>.</b> 9	99.9	999.9	51.5	57.
47.2	122.3	13959.4	150.0	-59.2	99.9	272.9	30.5	30.4	-1.5	368.1	999.9	99.9	999.9	57. 9	86.
51.6	129.3	15093.9	125.0	-£2.7	99.9	276.8	22.5	22.3	-2.6	301.5	999.9	99.9	995.9	65. 2	89.
56.7		16446.4	100.0	-68.7	99.9	269.5	21.6	21.6	0.2	395.0	599.9	99.9	999.9	72. 1	89.
62.5		16166.3	75.0	-68. 9	99.9	272.1	17.0	17.8	-0.6	428.4	999.9	99.9	999.9	77.1	89.
71.2		20663.2	50.0	-57.5	99.9	78.7	3. l	-3.1	-0.6	508.0	999.9	99.9	999 <b>.</b> 9	79.0	90.
84.5	162.3	25099.2	25.0	-61.1	99.9	149+1	0.3	-0.2	0.3	638.0	999.9	99.9	999. 9	79.4	91.

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DIG • BU TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED •+ BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232 BOOTHVILLE. LA

161 14. 0

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TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	- DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.9	1.0	1018.6	24.3	22.6	150.0	. 4.6	-2.3	4.0	295.2	342.9	17.2	90.0	C. 0	0.	
0.6	6.3	164.1	1000-0	22.5	21.3	163.6	10.8	-3.1	10.4	297.8	340.1	16.2	93.3	0.3	341.	
1.4	8.6	365.0	975.0	21.3	19.9	174.4	11.2	-1.1	11.2	298.6	338.5	15.2	92.1	0. 5	345.	
2.1	1 C. 5	610.3	950.0	19.5	16.2	161.3	11.7	0.3	11.7	298.8	335.8	14.0	92.6	1.3	351.	
2.9	13.1	840.2	925.0	18.4	16.3	183.4	11.5	0.7	11.4	299.8	233.7	12.8	87.7	1.9		
3.6	15.4	1075.3	900.0	17.5	10.5	1 63.0	9.5	0.6	9.5	300.7	325.0	8.9	63.6	2.4		
4.7	17.5	1316.5	9875.0	16.0	5.6	191.0	7.9	1.5	7.7	303.4	321.7	6.5	44.0	2.9		
. 5.5	20.1	1564.1	850.0	16.7	4.2	201.8	7.7	2.9	7.1	304.5	321.6	6.1	43.3	3, 2	0.	
6.5	22.4	1818.1	<b>825.</b> 0	15.4	2.7	203.9	7.7	3.1	7.1	305.7	321 • 7	5.6	42.2	. 2.7	3.	
7.4	24.9	2078.2	800.0	13.4	0.0	208-1	7.5	3.5	6.6	306.1	319.9	4.8	39.8	4.0	5.	
9.4	27.2	2344.9	775.0	12.3	-2.3	217.6	8.3	5. 1	€, 6	307.6	319.9	4.2	36.0	4.5		
9.5	29.9	2619.2	750.0	11.0	-12.9	225-1	6.5	4.6	4.6	309.4	315.2	1.9	16.6	4.9	12.	
10.5	32.6	2902+4	725.0	11.7	-15.6	242.9	2.8	2.5	1.3	312.5	317.4	1.6	13.2	5.1	13.	
11.5	35. 2	3194.9	700.0	10.4	-13,7	299.9	5 • 5	1.9	-1.1	314.2	320.2	1.9	16.8	5. 2		
12.6	37.8	34 95 . 9	675.0	7.8	-15.6	320.2	2.0	1.6	-2.0	314.6	319.9	1.7	17-1	5.1	100	
13.6	40.5	3805,3	650.0	5.1	-15.9	314.0	2.9	2 • 1	-2.0	314.9	320.3	1.7	20.2	5.0	18.	
15.0	43.3	4123.5	625.0	2.2	-15.5	315.7	3.2	2.2	-2.3	315.2	321.0	1.8	25.6	4.9		
16.3	46.2	4451.1	600.0	-1.2	-14.5	324.1	4.3	2.5	-3.4	315.0	321.5	2 • I	35.4	4.5	2 3•	
17.5	49.3	4788+8	575.0	-4.3	-12.6	323.1	4.5	2.7	-3.6	315.2	323.1	2.5	52.5	4+6		
18.7	€2.1	5137.5	550.0	-7.2	-12.6	284.9	4.0	3.6	-1.0	315.9	324.0	2.6	65.1	4.5	30.	
19.9	55.0	5459.1	525.0	-9.2	-12.8	265.6	6.2	6.2	0.0	31707	326.2	2.7	75.2	4.7		
21 • 1	57.9	5875.0	500.0	-11.9	-15.4	268.4	7.7	7.7	0.2	318.8	326.2	2. 3	75.0	5. 1	39.	
22.5	61.3	6265.6	475.0	-14-4	-22.3	262.2	9.7	9.6	1.3	320.3	324.8	1.4	52.7	5.5	44.	
24.0	64.9	6675.1	450.0	-15.7	-25.3	268.0	12.5	12.5	0. 4	323.6	327.2	1.1	43.4	6.3	50.	
25.6	68.1	7104.5	425.0	-17.6	-26.0	268.6	14.9	14.9	0.4	326.2	329.3	0.9	40.3	7.4	56.	
27.2	71.6	7555-1	400.0	-21.5	-31.0	270.4	10.2	18.2	-0.1	327.1	329.6	0.7	41.7	8.8		
28.9	75.4	8027.1	375.0	-25.8	-32.4	274.0	19-1	19.1	-1.3	327.4	329.8	0.7	. 53.9	10.5	67.	
30.6	79.2	8523.6	350.0	-28.3	-45.0	270.1	21.0	21.0	-0.0	330.5	331.2	0.2	18.2	12.3		
32.3	83.2	9049.3	325.0	-33.5	-47.0	277.2	20.7	20.6	-2.6	330.4	331 •0	0.2	24.2	14.3		
34.3	87.3	9605-8	300.0	-37.6	-48.2	285.2	27.2	26.3	-7.2	332.2	332.8	0.2	31.8	16.8		
36.3	92.0	10200.5	275.0	-41.4	<b>99.9</b>	274.4	31.6	31.7	-2.5	335.2	999.9	99.9	999.9	20.4	83. 85.	
38.7	96.6	19841.0	250.0	-46.7	99.9	276.8	31.5	.31.3	-3.7	336.7	949.9	99.9	999.9	24. 8 29. I	87.	
48.0	101.5	11531.1	225.0	-\$2.5	99.9	281.9	33.5	32.8	-6.9	338.0	999.9	99.9	696.9	34.0	99.	
*795	107.2	12261.5	200.0	-58.5	99.9	274.0	30.9	30.6	-2.2	340.1	999.9	99.9	999.9	38.5	90.	
-6-3	113.0	13107-1	175.0	-64.8	99.9	271.7	27.1	27.1	-0.8	343.0	999.9	99.9	999.9	45. 5	90.	
49.8	119.7	14058.0	150.0	-60.6	99.9	276.3	31.3	31.1	-3.4	365.8	999.9	99.9				
53.9	127-0	15185-0	125.0	-63.3	99.9	272.6	22.5	22.5	-1.0	380.3	999.9	99.9	999 <b>.9</b>	51.7 57.3		
58.4	135.0	16535.6	100.0	-69.8	99.9	274.1	14.4	14.4	-1.0	392.9	999.9 999.9	99 <b>. 9</b> 99. 9	999.9	60.6		
64.2	143-0	18236+1	75+0	-70.0	99.9	240.8	5.4	5.0	2.6	426.1	999.9	99.9	999.9	61.6	91.	
72.0	151.7	20708.9	. 50.0	-58.0	59.9	4.4	2.2	-0-2	-2.2	507.0			999.9	61.1	73.	
63.7	160.3	25154.0	25.0	-52.0	99.9	68.7	2.5	-2.4	-0.9	635.7	999.9	99. 9	25.26.2	0101	730	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG # BY TEMP MEANS TEMPERATURE OR TIME MAYE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235 JACKSON. MISS

163 12. 0

TIME	CNTCT	HE I GHT	PRES	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U CUMP M/SEC	Y CCMP	POT T	E POT T	MX RTO	RH PCT	RANGE KM	AZ DG
~•••		• • • •			, , , , , , , , , , , , , , , , , , ,		-, -,		-, 0 0	<b></b>	55				
0.0	4.1	100.0	1006.0	23.6	21.1	180.0	5.7	0.0	5.7	298.4	340.0	15.9	86.0	0.0	0.
9.1	4.5	152.5	1000.0	22.8	29.7	163.4	6.0	0.4	6.0	298.1	338.7	15.6	87.5	0.1	2.
1.0	6.2	373.0	975.0	20.5	19.0	186.6	8 - 1	1.2	8.0	297.7	335.4	14.4	91.2	0.4	6.
1.6	E. 1	597.4	950.0	18.5	17.5	202.6	9.7	3.7	8.9	297.7	332.9	13.4	94.2	C. 8	9.
2.7	10.0	826.4	925.0	17.0	15.7	214.5	12.8	7.2	10.5	298.4	330.8	12.3	91.9	1.5	20.
3.5	11.5	1060.5	900.0	15.7	14.0	217.5	13.7	8.4	10.9	299.2	329.2	11.2	89.2	2• 1	25.
4.4	13.0	1299.6	875. G	13.9	12.0	222.6	14.5	9.8	10.7	299.6	326.9	10.2	88.4	2. 8	29.
5.3	15.7	1544.1	850.0	12.3	10.2	224.8	14.4	10.2	10.2	300.2	325.2	9.2	87.1	3 <b>•</b> 6	32.
6.3	17.8	1794.3	825.0	11.1	7.1	228.6	16.4	12.3	10.9	301.3	322.5	7.7	76.4	4.5	35.
7.3	19.8	2052.1	800.0	12.9	-1.9	237.4	20.5	17.3	11.1	305.4	317.5	4.2	35.8	5. 6	3 e •
5.3	21.8	2318.9	775.0	12.9	-5.9	245.4	20.9	19.0	8.7	306.1	317.6	3.2	26.4	6. 5	43.
9.4	-24.0	2554.8	750.0	14.2	-5-2	248.5	20.2	18.5	7.4	J12.4	322.8	3.5	25.6	8. 1	47.
10.4	26.1	2879.7	,725.0	12.1	-7.B	246.9	17.7	16.5	6.4	313.2	322.1	2.9	23.9	9. 2	50.
11.3	283	3172.4	700.0	10.0	~10.2	247-1	17.7	16.3	6.9	313.9	321.6	2.5	23.0	10.2	52.
12.0	3C. 6	3473.0	675.0	7.2	-11.6	243.6	17.6	15.7	7.8	313.9	321.2	2.3	24.8	11.3	5 3.
13.7	23.1	3781.5	650.0	4.0	-10.2	243.7	17-1	15.3	7 • 6	313.8	322.1	2.7	34.5	12-5	54.
14.9	35. 5	4098.9	625.0	1.1	-11.4	245.1	16.2	14.7	€. 8	314.0	321.9	2.6	38.6	13.7	55.
16.2	37.9	4425.5	600.0	-2.1	-9.8	254.3	15.3	14.6	4.2	314.1	343.3	3.0	55.3	14. B	56.
17.4	40.4	4762.8	575.0	-4.3	-10-6	258.9	19.5	19.1	3.7	315.4	324.5	3.0	60.9	16.0	58.
18.6	43.0	5111.4	550.0	-7.3	-12.3	261.2	20.9	20.7	3.2	315.7	323.6	2.6	64.7	17.6	60.
20.1	45.8	5472.7	525.0	-9.8	-13-1	260.5	21.0	20.8	3.5	316.9	325.2	2.7	76.8	19-1	61.
21.5	4 6 . 6	5847.6	500.0	-12.4	-17.7	266.0	21.8	21.8	1.5	318-1	324.2	1.9	65.2	20.9	53.
22.9	51.3	6237.8	475.0	-15-1	-22.5	265.4	21.3	21.2	1.7	314.4	323.8	1.3	53.6	22. 5	65.
24.4	54+4	6645.0	450.0	-17.4	-30.0	260.4	23 <sub>e</sub> 7	23.4	3.8	321.4	323.8	0.7	32.2	24.4	67.
25.9	57.3	7070.4	425.0	-20.6	-36.4	260.7	21.0	20.7	3. 4	322.5	323.9	0.4	22.6	26.3	68.
27.6	60.6	7515.6	400.0	-24.5	-39.7	263.6	19.8	19.7	2,, 2	323.1	324.2	063	22.9	28.5	69.
29.4	64.0	7982.3	375.0	-28.0	-42.6	267.2	24.8	24.7	1.2	324.4	325.3	0.2	23.1	30.6	70.
31.2	67.3	8473.7	350.0	-32.2	-46.2	270.8	23.0	23.0	-0.3	325.2	325.9	0.2	23.3	33. 2	71.
33.1	70.9	8992.0	325.0	-36.4	-49.7	275.1	19.6	19.5	-1.7	326.4	326.9	6.1	23.6	35. 4	73.
35.4	74.8	9540.9	300.0	-41.5	99.9	271.1	25.7	25.7	-0.5	326.9	999.9	99.9	999.9	38. 4	74.
37.6	78.8	10126.0	275.0	-45.6	99.9	277.2	20.9	20.7	-2.6	329.2	999.9	99.9	995.9	41.5	76.
39.9	63.0	10753.4	250.0	-50.4	99.9	273.1	28.7	25.6	-1.5	331.1	999.9	99.9	999.9	44.6	77.
42.2	67.6	11434.9	225.0	-54.4	99.9	275.9	34.0	33.6	-3.5	335.2	999.9	99.9	999.9	48.7	790
45.0	92.3	121 92.e	200.0	-57.7	99.9	279.6	29.8	29.4	-5.0	341.3	999.9	99.9	999.9	53.9	. 91.
47.9	98.3	13022.7	175.0	-59.7	99.9	263.9	24.1	23.9	2.5	351.4	999.9	99.9	999.9	58.4	82.
51.3	104.5	13985.3	150.0	-59.9	99.9	270.6	34.8	34.8	-0.3	366.8	999.9	99.9	999.9	64. 5	85.
55.3	111.7	15110.6	125.0	-61.9	99.9	270.0	25.9	25.9	-0.0	383.0	999.9	99.9	999.9	72. 1	83.
60.0	120.5	16476.5	100.0	-68.4	99.9	259.9	15.0	14.7	2.6	395.6	999.9	99.9	999.9	76. 5	83.
65.6	131.5	18205.6	75.0	-67.8	99.9	306.5	9.4	7.5	-5.6	430.8	999.9	99.9	999.9	82.2	63.
73.3	144.5	20694.8	50.0	-57.0	99.9	293-1	6.0	5.5	-2.3	509.2	999.9	99.9	999.9	84.4	83.
85.7	159.5	25159+1	25.0	-51.8	99.9	6.3	2.7	-0.3	-2.7	636.0	999.9	99.9	999.9	84.0	95.
0.75	12203	2313771	- 540	-0140	7707										

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EV TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

24 APRIL

			er Grand				1415 G	MT					1	65 16	• 6
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	3+6	5.0	1015.4	23.3	21.7	160.0	9.3	-3.2	2.7	297.4	340.0	16.4	91.0	0.0	0.
0 - 3	4.9	136.6	1000.0	22.6	21.2	999.9	99.9	99.9	99.9	297.9	339.6	16.1	92.0	999. 9	999.
1.0	6.8	359-7	975-0	21.5	19.9	699.9	99.9	95.9	69.9	298.8	338.8	15.2	91.0	995.9	279.
i.8	<b>5.</b> 2	585.4	950.0	22.1	12.6	193.6	15.4	3 • 7	14.9	300.9	327.2	9.7	54.8	1.7	1.
2.4	11.3	£17.2	925.0	21.9	9.2	1 99. 3	12.5	4.2	12.0	302.5	324.7	8.0	44.4	2.1	5.
3.4	13.6	1054.3	900.0	19.9	7.9	200.1	11.5	4.0	10.5	303.0	323.7	7.4	45.7	2.8	9.
4.1	15.8	1296.5	875.0	18.3	6.8	198.0	13.2	4.1	12.5	303.8	323.6	7.1	46.9	3.3	11.
4.9	18.3	1544.5	850.0	16.6	9.5	201.6	12.5	4.56	11.6	364.7	329.1		62.9	3. 9	12.
5.8	20.6	1798.1	825.0	14.6	7.3	209.3	14.7	7.2	12.8	305.1	326.8	7.8	61.5	4.6	14.
6.7	23.1	2057.9	800.0	13.9	1.8	208.7	16.4	7.6	14.4	306.7	322.3	5. 5	43.6	5.5	
7.5	25.6	2325.4	775.0	13.1	-1.1	214.1	16.3	9.1	13.5	306.5	321.9	4.6	37.4	6. 3	
5.3	28. 1	2601.1	750.0	14.5	-14.9	226.1	14.4	10.7	9.6	312.5	317.6	1.6	11.6	7.0	20.
9.2	30. 8	2667.2	725.0	14.1	-8.2	239.9	13.4	11.6	6.7	315.3	324.1	2.9	20.6	7. 6	
10.2	33.6	3101.9	700.0	12.1	-11.2	237.9	12.9	10.9	6.8	316.1	323.4	2.3	16.4	8. 2	27.
10.9	36.1	3454.9	675.0	9.6	-9.9	233.5	13.3	10.7	7.9	316.5	325.1	2.7	24.1	8.7	29.
11.6	39.1	3796.6	650.0	7.1	-10,6	232.9	12.9	10.3	7. 5	317.3	325.5	2.6	26.9	9. 4	30.
12.6	41.5	4117-1	625.0	3.6	-12.2	238.8	11.6	9.9	6.0	317.1	324.7	2.4	29.9	9. 9	
13.6	44.5	4447-1	600.0	. 1.1	-11.9	251.9	10.9	10.4	3.4	317.7	325.7	2.6	37.1	10.5	
14.6	47.9	4768.0	575.0	-1.6	-13.0	25%8	11.5	11.6	2.1	318.4	326.1	2.4	41.2	11.0	36.
15.8	50.8	5139.9	550.0	-4.9	-14.3	255.3	11-9	11.5	3.0	318.6	325.8	2.3	47.6	11.6	
17.0	54.1	5593.9	525.0	-7.7	-13.3	236.9	8.7	7.3	4.7	319.5	327.7	2.6	64.1	12.2	
18.3	57.3	5881.6	500.0	-10.7	-13.3	222.3	10.3	6.9	7.6	320.3	328.9	2.4	81.5	13.0	
19.7	60.7	6274.1	475.0	-13.6	-19.5	231.3	13.7	10.7	8.5	321.3	326.8	1.7	61.1	13.9	
21.0	64.3	6683.6	450.0	-15.8	-29.8	244.2	16.1	14.5	7.0	323.4	325.9	0.7	28.8	15. 1	
22.5	67.7	7112.3	425.0	-18.9	-31.5	253.2	18.9	17.2	5.2	324.7	327.0	0.6	31.9	16.5	
23.€	71.3	7560.9	400.0	-22.4	-33.8	269.5	18.9	18.9	0.2	325.6	327.5	0.5	34.4	17.6	
25.2	75.3	8030.9	375.0	-26.7	-34.6	271.1	20.9	20.9	-0.4	326.2	328.1	0.5	46.7	18.9	
26.8	79.6	8524.6	350.0	-30.0	-50.7	270.6	20.4	20.4	-0.2	328.2	328.6	0.1	11.2	20.5	
28.7	63.5	9048.3	325.0	-34.1	-52.2	270.4	22.9	22.7	-0.2	329.5	329.9	0.1	14.0	22.4	
30.7	60.5	9604.1	300.0	-37.6	-58.4	272.3	29.2	29+2	-1.2	332.2	332.4	0.0	9.3	25.0	
32.7	93.0	10199.0	275.0°	-41.9	99.9	270.7	34.6	34.6	-0.4	334.5	999.9	99.9	999.9	28. 3	
34.9	58.0	10836.3	250.0	-46.6	99.9	272.5	3644	36.4	-1.6	336.9	999.9	99. 9	999.9	32. 7	
37.3	103.2	11528.6	225.0	-52.4	99.9	274.8	35.4	35.3	-3.0	338.2	99,9•9	99. 9	995.9	37.5	
39.9	109.0	12278.4	200.0	-58.6	99.9	278.3	36.8	36.4	-5. J	340.0	999•9	99.9	999.9	42.6	
42.6	115,2	13109.1	175.0	-62.8	99•9	286.8	35.7	34.2	-10.4	346.4	999.9	99.9	999.9	48.3	
46+5	122.0	14061-1	150.0	-60.0	59.9	266.1	34.0	33.9	2.3	366.7	999.9	99.9	999.9	55.7	
50.4	129. 3	15195.1	125.0	-62.6	99.9	257.8	22.0	21.5	4.6	381.6	999.9	99.9	999.9	61.9	
55.3	137-3	16548.0	100.0	-69.2	99.9	270.9	21.1	51.1	-0.3	394.1	999.9	99.9	99909	68.3	
61.3	145.5	18257.7	75.0	-68.2	99.9	265.6	13.0	12.9	1.0	429.9	999.9	99.9	999.9	72.4	
69, 2	154-3	20741.8	50.0	-59.5	99.9	267.4	3.2	3, 2	0. 1	503.3	999.9	99.9	999.9	75.0	83.

<sup>\*</sup> BY SPEED HEARS ELEVATION ANGLE BETHEEN 6 AND 10 DEG

17.72

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>++</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 248 SHREVEPORT. LA

#### 24 APRIL 1975 1508 GMT

165 10. Q TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED RANGE U COMP V CCMP PCT T E POT T MX RTO RH ΑZ MIN GFM DG C MB DG C DG M/SEC M/SEC PCT M/SEC DG K DG K GM/KG K4 DG 79.0 0.0 4.2 1004.7 23.3 18.4 190.0 7.2 2.3 7.1 297.9 333.1 13.4 74.0 0.0 C. 0. 1 4.6 120.2 1000.0 23.4 19.1 192.8 7.6 1.7 7.4 298.5 335.5 14.1 76.5 0.1 5. 1.1. 6.4 341.5 975.0 21.6 18.7 199.1 8.6 2.8 8.2 298.7 335.8 14.1 83.6 C. 6 13. 2.0 8.4 566.7 950.0 19.3 18.0 206.4 11.5 5.1 10.3 298.7 335.2 13.9 92.1 1.1 18. 2.9 10.4 796.6 925.0 18.3 16.4 210.9 14.1 7.3 12.1 299.7 333.7 12.8 88.5 1.8 22. 3.9 12.3 1032.1 900.0 18.9 11.4 220.5 20.2 13.1 15.3 302.2 328.2 9.5 63.0 2.8 27. 1275.3 875.0 226.5 22.0 15.1 33. 4.9 14.5 19.8 12.0 16.0 305.7 333.7 10.1 60.7 4.1 37. 5.9 16.5 1524.7 850.0 17.9 11.4 232.6 22.4 17.8 13.6 306.2 334.0 10.1 66.1 5. 4 1779.7 825.0 233.2 24.2 19.3 306.5 329.7 6.9 18.6 15.8 8.2 14.5 60.5 40. 8.3 6.6 20.8 -0.0 7.9 2046.9 800.0 15.7 240.3 20.5 17.8 10.1 308.5 322.5 34.6 6. 1 43. 4. 5 775.0 9.0 23.0 2310.2 -4.2 245.8 15.9 24.9 15.8 14.5 6.5 311.3 322.1 3. € 9• J 46. 10.1 25.3 2587.6 750.0 13,9 -5.8 241.3 10.5 9.2 312.1 322.1 25.0 10.0 47. 5.0 3.3 27.5 725.0 11.2 2872.2 11.9 -5.0 234.2 5.4 5.2 3.7 313.0 324.0 3.7 30.4 10.5 48. 700.0 12.4 30.0 3164.8 10.5 -8.6 236.1 6.2 5.1 3 • 5 314.5 323.3 2.9 25.1 10.9 48. 13.5 32.6 3466.1 675.0 7.8 -12.5 257.6 7.3 7.1 1.6 314e6 321.5 2.2 22.3 11.3 4 60 14.8 35.2 3776.1 €50.0 6.1 -15.0 261,9 11.7 11.6 1.7 316.1 321.9 1.8 20.3 11.9 50. 37.6 4096.0 625.0 254.1 3.7 15.9 3.7 -14.9 13.4 12.9 315.9 323.0 1.9 24.3 12.7 52. 17.1 40.3 4425.5 600.0 0.6 -17.0 250al 15.0 14.1 5. 1 317.0 322.4 1.7 25.3 1.3. 7 54. 18.4 42.9 4765.1 575.C -2.3 -20-1 258.6 15.3 15.0 3.0 317.5 321.8 1.3 23.9 14.8 55. 19.7 45.9 5115.7 550.0 -5.9 -22.4 271.9 16.8 16.8 -0.6 317.2 321.0 25.6 15.9 500 1.1 21.2 46.8 5478.0 525.0 -9.0 -24.6 269.0 17.2 17.2 0.3 317.7 320.9 1.0 26.2 17.2 61. 22.8 51.6 5854.4 500.0 -10.6 -29.7 251.4 19.5 18.5 6.2 320.1 322.3 0.6 19.0 16.9 52. 24.4 6246.8 321.2 20.7 54.8 475.0 -13.5 -31.8 252.3 20.1 19.2 6.1 323.1 0.6 19.6 63. 26.1 57.9 6655.3 450.0 -16.7 -35.2 257.3 19.3 18.8 4.3 322.2 323.7 0.4 16.3 22.7 64. 27.9 61.3 7083.1 425.0 -19.1 -37.7 261.2 19.2 18.9 2.9 324.4 325.7 0.3 17.5 24.7 65. 64.9 7530.7 -23.0 325.0 326.0 17.8 26.7 29.7 400.0 -40.8 264.2 18.5 18.4 1.9 0.3 67. 8000.2 375.0 326.3 327.1 28.5 31.4 66.3 -43.7 18.3 18.3 0.8 0.2 18.0 66. -26.6 267.5 8494.6 327.9 71.8 36.4 33.2 350.0 -3C+7 -46.9 273.3 19.3 19.2 -1.1 327.3 0.2 18.3 69. 263,8 32.9 71. 35.4 75.€ 9015.9 325.0 -35.1 -50.0 22.6 2.5 328.2 328 . 6 0.1 20.0 22.7 37.9 80.0 9568.6 300.0 26.8 330.0 99.9 36. 2 72. -39.3 99.5 270.5 26.8 -0.2 999.9 999.9 999.9 40+1 84.4 10158.9 275.0 -44-0 99.9 271.6 26.4 26.4 -0.7 331.6 99.9 999.9 39.9 74. 42.7 88.8 10792.3 250.0 -48.7 99.9 277.1 24.3 24.1 -3.0 333.7 999.9 99.9 999.9 43.9 76. 45.5 94.0 11477.2 225.0 -53.6 99.9 273.6 33.7 33.7 -2.1 336.4 999.9 99.9 999.9 48.8 784 999.9 48.8 99.4 12226.3 200.C -56.8 99.9 277.0 36.4 36.2 -4.4 339.6 99.9 999.9 55.3 80. 52. 1 13056.5 175.0 -61.8 278.2 28.3 28.0 .-4.0 347.9 999.9 99.9 999.9 61.6 . 82. 105.0 99.9 111.0 150.0 99.9 264.6 31.6 31.7 3.0 367.7 999.9 99.9 999.9 70.1 83. 56.2 14014.0 -59.4 999.9 79.7 61.2 119.3 15152-3 125.0 -61.2 99.9 269.9 25.9 25.9 0.1 384.2 99.9 995.9 83. 398.0 999.9 261.6 99.9 999.9 85.7 83. 66.2 127,7 16513.4 100.0 -67.2 99.9 26.4 26.1 3.9 999.9 94.1 99.9 43705 999.9 99.9 82. 73.7 138.0 10252.1 75.0 -64.6 271.0 11.0 11.0 -0.2 506.4 999.9 99.9 999.9 95.4 83. -58.2 262.9 8.2 1.0 63.4 149.0 20760.3 50.0 99.9 8.2 25228.6 25.0 -49.8 99.9 346.4 2.7 0.6 -2.6 641.5 999.9 99.9 999.9 96.8 85. 99.1 161.0

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255 VICTORIA. TEX

24 APRIL 1975 1415;GHT

415 :GMT 161 160 0

							100								
TIME	CNTCT	PEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.1	33.0	1009.1	25.0	20.5	170.0	7.7	-1.3	7.6	299.4	339.5	15.2	76.0	0.0	0.
0.2	4.8	112.9	1000.0	24.7	21.0	999.9	99.9	99.9	99.9	300.0	341.7	15.9	79.9	999.9	999
0.9	6.6	334.9	975.0	22.0	20.5	999.9	99.9	99.9	99.9	299.5	340.9	15.8	90.8	999. 3	999.
1.5	E. 6	560.9	950.0	20.2	19.5	999.9	99.9	99.9	99.9	299.8	339.8	15.2	95.5	999. 9	999.
2.5	10.6	791.3	925.0	19.6	10.5	176.6	17.0	-1.0	17.0	300.5	324.4	8.8	57.2	1.8	350.
3.2	12.6	1027.6	900.0	20.6	3.6	178.8	19.2	-0.4	19.2	303.5	319.1	5.5	32.7	2. 7	352.
4.1	14.8	1270.3	875.0	19.0	3.4	179.6	20.3	-0.1	20. 3	304.3	320.1	5.6	35.4	3.7	354.
4.8	16.7	1518.4	850.0	17.0	5.4	179.8	21.0	-0.1	21.0	304.8	323.6	6.7	· 46.8	4.0	355.
5.7	19.0	1772.3	825.0	15.8	3.4	174.6	19.7	-1.8	19.6	306.1	323.0	<b>6.0</b>	43.6	5.6	356.
6.5	21.1	2033.3	800.0	15.3	-6.9	181.8	19.1	0.6	19.1	307.9	316.6	2.9	21.6	6.7	356.
7.5	23.5	2302.9	775.0	16.7	-18.4	194.0	15.5	3.7	15.1	311.9	315.7	1.2	7.6	7.6	35 de
8.4	. 25.7	2581.6	750.0	17.0	-20.4	194.2	11.4	2.8	11.0	315.1	318.4	· 1.6	6.2	8. 4	360.
9.4	28.1	2869.2	725.0	15.9	-21.5	200.6	7.5	2.6	7.0	317.0	320.2	0.9	6.0	8.8	0.
10.4	30.7	3165.5	700.0	13.8	+21.7	218.4	5.2	3.2	4.1	317.9	321.0	1.0	6.8	9. 2	2.
11.4	33.2	3470.1	675.0	10.9	-2.9	247.4	4.3	4.0	1.7	318.5	332.4	4.6	37.7	9. 3	3.
12.4	25.7	3783.7	650.0	8.5	-6.8	255.4	5.9	5.7	1.5	319.0	330.0	3 • 6	33.2	9.4	4.
:13.5	30.3	4106.1	625.0	5.5	-8.6	252.6	7.1	6.8	2.1	319.2	329.1	3.2	35.3	9. 5	7.
14.5	40.8	4438.2	600.0	2.5	-8.2	243.4	8.3	7.4	3.7	319.4	330.0	3.4	45.0	9.8	9.
15.7	43.7	478C.4	575.0	-0.8	-10.0	258.8	7.8	7.07	1.5	319.4	329.1	3.1	49.9	10.1	12.
16.9	46.6	5133.5	550.0	-4.0	-14.2	282.2	8.3	8.1	-1.7	319.6	327.0	2.3	44.8	10.3	15.
18-1	49.5	5498.9	525.0	-6.4	-20.9	290.0	10.2	9.5	-3.5	320.9	325.4	1.4	30.4	10.2	19.
19.4	E2.4	5878.3	500.0	-9.3	-23.6	277.1	11.9	i 1 • 8	-1.5	321.7	325.5	1.1	30.3	10.3	24.
20.8	55.6	6272.9	475.0	-12.2	-25.5	260.8	14.0	13.8	2 • 2	322.9	326.3	1.0	31.9	10. A	29.
22.2	58. 5	6683.8	450.0	-15.3	-40.2	248.3	14.3	13.3	5. 3	324.0	324.9	0.2	9.7	11.7	33.
23.7	€2•3	7113.0	425.0	-18.4	-34.5	244.3	16.7	15.0	7.0 3	325.4	327.1	0.5	22.6	12.9	36.
25.3	65.7	7562.1	400.G	-22.5	-34.0	250.6	18.2	17.2	6.0	325.7	327.6	0.5	33.9	14.3	39.
26.9	69.3	8034.2	375.0	-24.4	-44.2	264.9	23.2	23.1	2.0	329.3	330.1	0.2	14.4	16.1	44.
26.9	73.0	8533.7	350.0	-27.2	+36+8	277.2	26.6	26.4	-3.3	332.0	333.7	0.5	39.3	17.9	51.
30.6	77.0	9063.6	325.0	-31.0	-38.4	273.6	30.3	30.3	-1.9	333.8	335 • 4	0.4	47.8	20.3	57.
32.6	e1.2	9625.4	300.0	-36.0	-40.3	272.3	27.3	27.3	-1-1	334.6	336.0	0.4	64.3	22.9	62.
34.3	85.6	10223.6	275.0	-41.2	99.9	266.8	29.7	29.7	1.7	335.6	999.9	99.9	999.9	25.6	<b>65</b> •
36.4	90. J	1G863.1	250.0	-46.3	99.9	266.3	35.6	35.5	1.9	327.2	999.9	99.9	999.9	29.6	6 B .
36.9	95.4	11553-5	225.0	-52.2	99.9	281.4	34.6	34.1	-6.8	338.5	999.9	99. 9	999.9	34.3	72.
41.5	100.7	12304.5	200.0	-58.4	99.9	283.3	37.3	36.3	-8.6	340.3	999.9	99.9	999.9	39.0	76.
44.6	106.8	13132.6	175.0	-63.6	99.9	292.4	42.2	39.0	-16.1	344.9	999.9	99.9	999.9	45. 3	81.
47.5	113.3	14079.2	150.0	-64.3	99.9	261.5	24.6	24.3	3.6	359.4	999.9	99.9	99969	50. 2	63.
51.2	120.7	15190.4	125.0	-65.4	99.9	270.7	27.2	27.2	+0. 3	376.5	999.9	99.9	999.9	57. 2	83.
55.4	129-0	16532.3	100-0	-70.3	99.9	263.4	19.8	19.7	2.3	391.6	999.9	99.9	999.9	62.4	83.
61.1	138.5	18238.6	75.0	-67.6	99.9	220.9	8.5	5.6	6.4	431.3	999.9	99.9	999.5	66.7	82.
69.0	148-5	20731.0	50.0	-57.7	99.9	12.0	3.7	-0.8	-3.6	507.5	999.9	99.9	999.9	69.4	83.
81.1	160.0	25171-3	25.0	~50.1	99.9.	32.6	6.8	-3.7	-5.7	640.6	999.9	99.9	999.9	67.0	84.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEPF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260 STEPHENVILLE. TEX

				5		<b>4</b>	APRIL	14/2								
							1415 G	MT					1	61 29	• 0	
TIME	CHTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	мв	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	K4	DG	
										200.0	740 4		67.0			
0.0	9. 6	399.0	965.2	22.0	19.7	180.0	9.3	0.0	9.3	300.2	340.4	15.2	87.0	0.0	0.	
99.9	95. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99949 999•9	999.9 999.9		
99.9	99.9	99.9	975.0	99.9	59.9	99.9	99.9	99.9	99.9	99.9	999 <b>.</b> 9	99.9			999	
0.6	10.9	537.2	950.0	20.7	18.7	189.0	15.2	2.4	15.0	300.1	338.5	14.5	58.7 91.9	0.5 1.2	10.	
1.3	13.5	768+2	925.0	19.4	18.0	197.7	20.0	6-1	19.1	301.1	339.0	14.3	58.6	_	17.	
2.2	15.9	1005.2	900.0	21.1	12.7	207-1	26+3	12.0	23.4	304.7	333.0	10.3	43.5	2. 4 3. 6	21.	
2.9	18.5	1249-8	875.0	21.7	8.7	212.9	22.8	12.4	19.2	307.4	330.3	8•1 9•0	47.7	4. 6	25.	
3.9	21.0	1501.1	850.0	21.2	9.7	221.8	12.9	8.6	9.6	309.6	334.9	9.0	51.3	5.1	27.	
4.8	23.7	1759.4	825.0	19.6	9.3	230.5	9•B	7.5	6.2	310.5	335.9 333.8	8.0	50. B	5.5	29.	
5.8	26.2	2023.6	800.0	17.5	7.2	235.5	4.4	3.6	2.5	310.9			41.4	5.7	30.	
6.7	29.1	2294.3	775.0	16.1	3.0	218.1	5.9	3.6	4.6	311.9	329.8	, 6.1			30.	
7.7	32.0	2571.9	750.0	13.6	0.9	213.5	5.8	3.2	4.8	312.1	328.0	5.4	41.7	6.1	30.	
8.7	34. 9	2856.5	725.0	11.4	-0.7	212.1	6.5	3.5	5.5	312.6	327.4	5.0	42.9 45.7	6.4		
9.7	37.7	3148.6	700.0	8.9	-2.2	9.055	7.4	4.8	5.6	313.0	326.8	4.7		6.9	31.	
10.7	40.5	3448.9	675.0	7.2	-8.6	223.1	10.0	6.8	7. 3	314.1	323.3	3.0	31.9	7.3	31.	
11.6	43.5	3758.4	650.0	5.2	-6.0	220.7	13.5	8.8	10.3	315.3	326.7	3.8	44.0	8.0	32.	
12.7	46.5	4077.5	625.0	2.9	-7.9	219.4	15.2	9.7	11.8	316.2	326.6	3.4	44.8	8. 9		
13.7	49.9	4406.6	600.0	0.3	-13.3	221.1	17.1	11.2	12.9	316.8	324.0	2.3	35.1	9. B	34.	
14.7	52.9	4746.6	575.0	-2.2	-16+1	230.6	17.2	13.3	10.9	317.7	323.7	1.9	33.2	10.9	35.	
15.9	56.0	5097.7	550 • C	-5.2	-19.7	237.9	19.4	16.5	10.3	318.0	322.8	1.5	31.0	12.1	37.	
17.1	E90 4	5460.8	525.0	-8.7	-21.8	242.1	21.7	19.2	10.1	316.1	322-2	1.3	33.6	13.5	39.	
18.4	62. 7	5836.5	500.0	-12.1	-21.6	251.8	20.9	19.8	6.5	318.4	322.9	1 0.4	44.8	15.1	42.	
19.8	66.3	6226.7	475.0	-14.8	-44.2	253.4	20.2	19.4	5.8	319.7	320.2	0.2	6.1	16.6		
21.3	70.0	6634.3	450.0	-16.5	-60.4	249.2	19.5	18.2	6.9	322.4	322.5	0.0	1.0	16.1	48.	
22.7	73.6	7061.5	445.0	-19.6	-57,3	253.3	19.8	16.9	5.7	323.8	323.9	0.0	1.9	19.7		
24.1	77.5	7508.3	400.0	-23.5	-54.9	258.5	19.0	18.7	3• 8	324.4	324.6	0.1	3.7	21.2		
25+7	81.3	7977.1	375.0	-26.9	-54.4	263.6	23.2	23.1	2.6	326.0	326.2	6.1	5.4	22. 9		
27.2	85.4	8471.6	350.0	-30.2	-61-1	264.7	23.9	23.8	2.2	327.9	329.0	0.0	3.2	24.7		
28.8	89.7	8994.4	325.0	-34.5	-60.3	261.7	29.7	29.4	4. 3	329.1	329.2	0.0	5.3	27. 1	59.	
30.8	94.3	9548.1	300.0	-39,4	99.9	265.5	30.2	30.1	2.4	329.8	999.9	99.9	999.9	30. J	62.	
32.9	99.0	10138.5	275.0	-43.5	99.9	260.8	33.6	33.2	5. 4	332.2	999.9	99.9	999.9	34.3		
35.0	103.8	10774.0	250.0	-47.9	99.9	262.5	42.6	42.3	5.6	334.€	999.9	99.9	999•9	38. 7		
37.2	109.2	11461.0	225.0	-53-2	99.9	264.3	43.1	42.9	4.3	337.0	999.9	99.5	999.9	44.3	69.	
39.8	114.8	12210.5	200.0	-58.9	99.9	270.9	43-1	43-1	-0.6	339.6	999.9	99.9	999.9	51.0	71.	
42.8	121.0	13040.6	175.0	-62.2	99.9	272.7	45.8	45.7	-2.1	347.3	999.9	99.9	999• 9	58. 5	74.	
45.8	127.5	13991.7	150.0	-62.7	99.9	. 261.2	35.0	34.6	5.4	362.2	999.9	99 <b>.</b> 9	999.9	65. 7	75.	
50.0	135.0	15125.2	125.0	-60.2	99.9	265.3	27.5	27.4	2.2	386.0	999.9	99.9	99969	75.4	76.	
54.6	142.3	16507-1	100.0	-66.1	99.9	243.9	22.5	20.2	9.9	400.0	999.9	99.9	999.9	81.4	76.	
60.7	150.7	18239.2	75.0	-65+3	99.9	39.7	2.6	-1.7	-2.0	436.1	999.9	99.9	999.9	86.9	75e	
69.0	160.3	20766.3	- 50.0	-55.1	99.9.	93.3	6.1	-6.1	0.4	513.6	999.9	99.9	999.9	89. 2	75.	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> BY SPEFD MEANS ELEVATION ANGLE BETWEEN G AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME PAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261 DEL RIO. TEX

162 25. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	. M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.	8.7	314.0	973.0	22.3	19.1	120.0	5.1	-4.4	2.5	299.7	337.9	14.5	82.0	0.0	0.	
99.		99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99939	99.9	999.9	999.9	999.	
99.	9 99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999, 9	535.	
0.	9 10.5	522.8	950.0	21.3	20.1	138.6	8.4	-5.5	6.3	300.9	342.6	15.8	92.9	0. 4		
1.	5 13.4	754.1	925.0	19.0	18.6	148.5	9.4	-4.9	8.0	300 · B	340.5	15.0	99.0	0.8		
2.		990.0	900.0	17.8	17.6	167.4	8.2	-1.8	8.0	301.7	339.6	14.2	98.8	1.2	323.	
3.	1 18.6	1231.8	875.0	18.9	12.3	182.0	0.4	0.2	6-4	304.8	333.2	10.4	66.1		330.	
3.	9 21.1	1482.8	850.0	21.8	10.0	197.5	5.1	1.5	4.9	310.3	336.1	9.1	46.9	1.7		
- 4.	7 23.9	1742.0	825.0	20.9	9.0	226.1	6.5	4.7	4.5	311.9	336.9	8.8	46.2	1.8		
5.	5 26.4	2007.8	800.0	19.5	8.8	216.0	7.6	4.4	6.1	313.1	338.7	9.0	50.1	. 2 • 1		
6.		2280.2	775.0	17.3	7.0	215.2	10.5	6.0	8.5	313.5	337.1	8.2	50.9	2. 4		
7.		2560.2	750.0	16.8	2.6	225.2	10.7	7.6	7.5	315.6	333.8	6.2	38.5	2.9	7.	
8.		2847.8	725.0	14.5	-2.7	226.5	9.3	6.7	. 6.4	315.9	328.9	4.3	30.4	3. 3		
9.	1 37.6	3143.6	700.0	13.5	-20.2	220.4	8.2	5.3	6.2	317.6	321.2	1.1	7.9	3. 7		
10.		3446.1	675.0	11.4	-22.4	222.4	8.2	5.6	6.1	318.5	321.6	0.9	7.5	4. 1	19.	
11.	43.6	3761.5	650.0	8.6	-16.7	224.0	8.5	5.9	6.1	318.9	324.0	1.6	14.8	4.6		
12.		4083.9	625.0	5.9	-13.3	221.5	9.8	6.5	7.4	319.5	326.5	2.2	23.8	5. 1	24.	
13.	2 50.1	4416.1	600.0	3.0	-18.6	222.2	11.3	7.6	8.3	319.8	324.6	1.5	18.5	5. 8	26.	
14.		4758+9	575.0	0.1	-18.2	222.3	13.1	8.8	9.7	320.2	325.4	1.6	23.6	6.6		
15.		5112.8	550.0	-3.1	-15.5	234.3	15.3	12.4	8.9	320.6	327 - 3	2. 1	37.6	7. 6	30.	
16.		5479.3	525.0	-5.8	-19.6	247.9	18.0	16.7	6.8	321.6	326.6	1.5	32.5	8.6	35.	
17.		5859.2	500.0	-9.2	-24.8	255.3	19.3	18.6	4.9	321.9	325.5	1.1	28.3	9. 7	39.	
19.		6254.2	475.0	-11.6	-45.8	257.7	19.6	19.1	4.2	323.6	324.4	0.2	6.0	10.9		
20 •		6666.8	450.0	-13.7	-58.6	257.1	15.7	15.3	3.5	326.0	326.1	0.0	1.0	12.0	46.	
21.		7098.0	425.0	-17-1	-60.8	253.0	15.5	14.5	4.5	327.0	327.1	0.0	1.0	13.1	50.	
23.		7550-1	400.0	-20.0	-62.7	254.5	17.9	17.2	4.08	328.9	329.0	0.0	1.0	14.4	52.	
24.		8025.9	375.0	-23.2	-51.2	265.1	22.0	21.9	1.9	330.6	331.2	0.1	6.2	16.0		
26.		8526.7	350.0	-27.4	-32.9	266.4	27.2	27.1	1.7	331.8	334.2	0e 7	59.5	17.8		
27.		9056-2	325.0	-31-1	-36.2	264.4	30 • 1	30.0	3.0	333.7	335.6	0.5	60.6	20.6		
29.		9618.1	300.0	-36.0	-42.2	261.7	30.9	30.6	4.4	334.6	335.7	0.3	52,5	23.5		
31.		10216.1	275.0	-41-0	99.9	259.2	32.8	32.2	6.2	335.8	999.9	99.9	99.0. 9	27.0		
33•		10857.6	250.0	-46.2	59.9	258.6	37.7	37.0	7.5	337.4	999.9	99.9	999.9	31.4		
35.		11548.9	225.0	-52.0	99.9	257.7	36.4	35.5	7.7	338.8	999.9	99.9	999.9	36.0		
37.		12301.0	200.0	-58.5	99.9	264.3	39.1	38.9	3. 9	340.2	999.9	99.9	999.9	41-1	71.	
40.		13126.7	175.0	-65.0	99.9	274.4	42.2	42.1	-3.3	342.6	999.9	99.9	995.9	47.3		
43.		14066+1	150.0	-64.6	99.9	268.2	32.0	32.0	1.0	356.9	999.9	99.9	999.9	54.5		
47.		15179.0	125.0	-66.0	99.9	256.3	24.7	24.0	5.6	375.6	999.9	99.9	999.9	61.3		
51.		16529+6	100.0	-68.9	99.9	260.6	20.7	20.4	3.4	394.6	999.9	99.9	999.9	67.8	-	
57.		18235.1	75.0	-70.9	99.9	245.7	16.2	14.8	6.7	424,3	999.9	99.9	999.9	72.8		
64.		20726-8	50.0	-58.3	99.9	257.9	4.8	4.7	1.0	506.3	999.9	99.9	999.9	76.2		
75.	8 169.0	25162.8	25.0	-51.3	99.9	999.9	99•9	99.9	99.9	637.2	999 <b>.</b> 9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 265 MIDLAND. TEX

24 APRIL 1975 1415 GMT

TIM	E	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MI	N		GFM	MB	DG C	DG C	DG	M/SEC	. M/SEC	M/SEC	DG K	DG K	G4/KG	PCT	KM	CG	
0	.0	12.2	873.0	912.0	21.8	15.6	190.0	3.6	0.6	3. 5	304.5	338.1	12.4	68,0	0.0	0.	
99	. >	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99	. 7	99.9	59.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99	. 9	59.3	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99	. 9	99. 3	99.9	925.0	99.9	99.9	99.9	99.9	99.7	99.9	99.9	999.9	99.9	999.9	<b>999.</b> 9	999.	
. 0	. 4	13.3	958-1	900.0	20.7	15.7	184.3	6.1	0.5	6.0	304.5	336.7	12.6	73.3	0.2	61.	
1	. 3	15.5	1232.1	875.0	20.2	14.6	243.1	6.0	5.4	2.7	306.4	339.4	12.0	70.0	0.5	42.	
2	. 2	17. 3	1482.9	850.0	22.0	-7.3	296.8	7-1	6.3	-3.2	309.6	317.6	2.6	13.6	0.8	65.	
3	• 2	20.2	1740.8	825.0	20.4	-9.6	311.3	7.2	5.4	-4.8	310.4	317.3	2.2	12.3	1.0	87.	
•	. 2	22.5	2004.8	800.0	18.3	-11.1	314.9	6.4	4.5	-4,5	310.9	317.3	2.1	12.5	1.4		
5	• 1	25.1	2275.1	775.0	16.3	-12.5	307.4	4.8	3.8	-2.9	311.6	317.5	1.9	12.6	1.6		
6	. 2	27.4	2552.5	750.0	14.2	-13-9	260.2	6.9	6.8	-1.2	312.2	317.7	1.7	12.8	2.0	107.	
7	• 1	30.0	2836,8	725.0	11.5	-12.9	266.3	6.6	6.6	0.4	312.3	318.4	2.0	16.7		105.	
8	• 1	32.7	3128.7	700.0	9.3	-14,2	253.2	8.6	8.3	2.5	313.0	318.7	1.8	17.4	2. 7		
9	-1	35.4	3428.7	675.0	7.0	-16.5	250.4	10.6	10.0	3.6	313.6	318.6	1.6	16.9	3.3	95.	
10	. 2	38.0	3737.3	650.0	4.8	-17.3	241.2	11.7	10.3	5.6	314.6	319.4	1.5	18.2	3. 9		
. 11	. 4	40.7	4055-5	625•0	2.2	-20.1	242.2	14.5	12.8	6.8	315.1	319.1	1.2	17.2	4.7		
12	. 5	43.6	4383,5	600.0	0.3	-23.2	248.5	17.7	16.4	6.5	316.5	319.7	1.0	15.2	5. 8	81.	
1.3	.8	46.6	4723.2	575.0	-1.8	-25.9	247.3	19.6	18.0	7.5	318.0	320.7	0.8	13.7	7. 2	79.	
15	. 2	49.8	5075.3	550.0	-3.8	-27.4	237.0	21.6	18-1	11.5	319.7	322.1	0.7	13.8	8.9	76.	
16	. 5	52.7	5440.7	525.0	-6.7	-29.6	234.2	21.2	17.2	12.4	320.4	322.5	0.6	14.1	10.4	72.	
17	.7	55.8	5819.3	500.0	-10.0	-32.0	235.4	21.1	17.3	12.0	320.9	322.7	0.5	14.4	12.0	70.	
18	. 9	59.1	6212.2	475.0	-13.4	-34.6	235.4	19.2	15.6	10.9	321.4	322.9	0.4	14.7	13.4	68.	
20	. 4	62.7	6621.2	450.0	-16.6	-37.1	233.8	16.9	13.0	10.0	322.3	323.6	0.3	15.0	14. B	67.	
21	. 7	66.0	7047.6	425.G	-20-1	-39.8	232.9	19.2	15.3	11.6	323.2	324.2	0.3	15.3	16.3	66.	
23	. 2	69.8	7494.0	400.9	-23.5	-42.4	238.6	19.4	16.6	10.1	324.4	325.3	0.2	15.6	18.0	65.	
25	.0	73.4	7962.9	375.0	-26.4	-44.7	249.6	24.9	23.3	8.7	326.5	327.2	0.2	15.8	20.3	65.	
26	• 7	77.5	8457.8	350.0	-30.2	-47.7	256.4	30.9	30-1	7.3	328.0	328.5	0.1	16.1	23.1	66.	
28	. 5	21.5	8980.3	325.0	-34.6	-51.2	256.6	29.5	28.7	6.9	328.9	329.3	0.1	16.5	26.5		
30	. 6	85.8	9534-1	300.0	-39.2	-54.9	256.1	33.4	32.4	8.0	330.0	330.3	0.1	16.9	30.3	68.	
32	. 6	90.6	10126.2	275.0	-43-1	99.9	260.9	36.3	35.8	5.7	332.€	999.9	99.9	999.9	34.5	70.	
34	• 6	95.4	10761.7	250.0	-47.6	99.9	258.4	41.5	40.6	8.4	335.3	999.9	99.9	999.9	39. 2	71.	
36	. 9	10C.6	11448.4	225.0	-53.5	99.9	264.5	45.9	45.7	4.4	336.6	999.9	99.9	999.9	45.0	72.	
39	.3	106.3	12196.3	200.0	-59.1	99.9	267.1	50.2	50.1	2.5	339.2	999.9	99.9	999.9	51.4	74.	
42	. 2	112.5	13023.6	175.0	-63.3	59.9	265.2	51.2	51.0	4.3	345.5	999.9	99.9	999.9	59. 7		
45	. 2	119.3	13973.0	150-0	-62.6	59.9	. 261,2	34.0	33.6	5.2	362.2	999.9	99.9	999.9	67.9	77.	
48		127.0	15100-4	125.0	-62.6	99.9	255.7	33.8	32.8	8.3	381.6	999.9	99.9	999.9	74.7		
53		136.0	16470.4	160.0	-65.5	99.9	258.7	24.0	23.5	4.7	401.2	999.9	99.9	995.9	82. 7		
59		145.9	18206-7	75.0	-66.1	99.9	251.7	10.7	10.1	3. 3	434.3	999.9	99.9	999.9	89.7	76.	
	. 4	156.0	20732.0	50.0	-57.0	99.9	6.5	2.7	-0.3	-2.7	509.2	999.9	99.9	999.9	91.7		
	. 8	168-0	25190-3	25.0	-52.3	99.9	999.9	99.9	99.9	99.9	634.2	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 304 HATTERAS, NC

€→ .	WLW ! F	TÁLO				
	1500 GMT				166	20. 0

TINE	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.3	4.0	1023.4	21.5	14.9	220.0	6.2	4.0	4.7	294.1	321.5	10.5	66.0	0.0	0.	
0.8	6.0	204.2	1000-0	20.3	12.5	221.1	14-1	9.3	10.6	294.6	318.8	9.2	60.9	0.5	43.	
1.5	E.4	422.4	975.0	18.5	11-1	219.4	16.4	10.4	12.7	294.9	317.7	8.6	62.2	1.2	42.	
2.2	1 C. 9	644.6	950 • 0	16.0	10.3	215.6	15.0	8.7	12.2	294.5	316.6	8.3	68.8	1.8	40.	
2.9	12.2	870.5	925.0	13.7	9.3	212.6	16.4	8.8	13.8	254.4	315.6	8.0	74.9	2.5	39.	
3.6	15.5	1101.1	900.0	11.8	9-1	210.3	16.0	8.0	13.8	294.7	316.3	8.1	83.6	3.2	37•	
4.4	18.0	1336.5	875.0	10.1	7.8	213.9	15.5	5.7	12.9	295.2	315.7	7.6	86.1	3.9	36.	
5.1	20.5	1577.6	850.0	9. 9	-5.0	230.4	15.5	11.9	9.9	296.9	305.9	3. 2	35.5	4.6	. 37.	
5.7	23.0	1824.6	825.0	8.4	-9.1	242.6	13.6	12.1	€. 3	297.8	304.5	2.3	27.7	5 <b>•</b> 1	39.	
6.6	25.6	2078.4	800.0	6.8	4.2	250€7	11.2	10.5	3. 7	299.3	317.3	6.5	83.9	5.7	42.	
7.5	26.3	2339.3	775.0	5.5	3.1	256.3	9.7	9.4	2.3	300.6	317.8	6.2	84.7	6-1	45.	
8.3	31.0	2607.2	750.0	4.4	3.6	565.5	8.4	8.4	1.2	302.2	320.7	6.7	94.9	6.5		
9.2	23.9	2883-1	725.0	2.9	0.9	267.7	7.2	7.2	0.3	303.4	319.3	5.7	86.7	5.8	49.	
10.0	36.5	3167.7	700.0	2.0	-1.0	270.9	6.9	6.9	-0.1	305.4	319.9	5-1	80. I	7.1	51.	
11.0	39.4	3460.7	675.0	0.2	-2.7	276.1	6.4	6.4	-0.7	306.4	319.9	4.7	81.0	7.4	53,	
11.9	42.1	3762.6	650.0	-1.9	-4.7	277.3	6.0	6.0	-0.8	307.3	319.4	4.1	81.0	7.6	55.	
13.0	45.2	4074.0	625.0	-3.9	-7.2	283.7	8.0	7.7	-1.9	308.4	319.0	3.6	78.0	7.9	570	
14.0	46.3	4395.7	600.0	-4.4	-15.1	289.3	12.7	12.0	-4.2	311.3	317.5	2.0	44.2	8.3	50.	
- 15.1	£1.3	4731-1	575.0	-4.6	-24.5	267.5	14.4	13.7	-4.3	314.7	317.6	0.9	19.3	9. 0	65.	
10.3	54.5	5079.0	550.0	-7.5	-25.6	279.0	13.6	13.4	-2-1	315.2	318 • 1	0.9	21.9	9. 8	<b>09</b> •	
17.4	57.5	5438.9	525.0	-11.0	-25.6	277.2	14.6	14.5	-1.8	315.3	318.3	0.9	26.5	10.6		
18.7	£1.0	5811.3	500.0	-14.2	-23.1	284.3	16.8	16.3	-4.2	315.8	319.7	1.2	46.5	11.7	74.	
19.9	64.4	6199.9	475.0	-15.8	-42.6	295.0	17.0	15.4	-7.2	318.3	319.0	0.2	7.9	12.7		
21.3	67.5	6605.7	450.0	-17.8	-44.0	293.8	17.7	16.2	-7-1	320.8	321 • 5	0.2	8.0	13.9		
22.9	71.3	7031.0	425.0	-20.7	-43.0	296.6	16.1	14.4	-7.2	322.5	323.2	0.2	11.4	15.2		
24.3	75.0	7476.0	400.0	-24.1	-41.9	298.1	14.9	13.2	-7.0	323.6	324.5	0.2	17.3	16.3	97.	
25.7	79.0	7942.7	375.0	-28.3	-46.4	291.4	14.4	13.4	-5.2	324.1	324.6	0.2	15.7	17.4	89.	
27.2	82.8	8433.9	350.0	-32.2	-45.5	299.1	14.6	12.8	-7.1	325.3	326.0	0.2	24.9	18.7		
28.7	86.8	8953.9	325.0	-35.4	-49.3	306.0	13.3	10.7	-7.8	327.€	325.3	0.1	22.2	19.7		
30 . 4	91.3	9506.8	300.0	-39.8	99.9	309.7	13.9	10.7	-8.9	329.4	999.9	99.9	999.9	20.8		
32.3	95.8	10095.2	275.0	-44.9	99.9	310.2	15.2	11.6	-9.8	330.2	999.9	99.9	999.9	22.1	97.	100
34.4	100.6	10725.1	250.0	-50.1	99.9	303.0	16.4	13.7	-8.9	331.6	999.9	99.9	999.9	23. 9		
26.4	1 C 5 . 6	11403.9	225.0	-56.1	59.9	304.9	21.1	17.3	-12-1	332.5	999.9	99.9	999.9	25. 9		
38.9	121.3	12144.2	200.0	-60.5	99.9	300.5	28.6	24.7	-14.5	337.0	993.9	99.9	99969	29.6		
41.3	117.0	12967.7	175.0	-64.8	99.9	318.0	24.7	16.5	-16.4	343.0	999.9	99.9	999.9	33.3		
44.2	123.8	13915.5	150.0	-60.9	99.9	292.0	33.9	31.4	-12.7	365.2	999.9	99. S	999.9	37.9		
47.9	131.0	15056.3	125.0	-56.1	99.9	290.5	23.9	22.4	-8. 4	393.5	999.9	99.9	99 9. 9		109.	
51.6	136.7	16448.9	100.0	-63.4	99.9	297.8	22.4	19.8	-10.5	405.2	999.9	99.9	99 9. 9	50. B		
56.6	147.0	18194-6	75.0	-66.2	59 <b>.</b> 9	298.2	14.5	12.8	-6.9	434-2	999.9	99.9	999.9		109.	
63.4	156.5	20701.6	50.0	-57.7	99.9	97.9	1.0	-1.0	0.1	507-5	999.9	99.9	999.9		111.	
73.7	167-0	25143.6	25.0	-51.2	59.9	301.8	2.2	1.8	-1.1	637.5	999.9	99.9	999.9	56. 2	112.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. ATHENS. GA

#### 24 APRIL 1975 1500 GMT

160 12. 0

				the second second													
	TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	PANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KP	DG	
	0.0	6.9	246.0	992.6	20.6	15.6	220.0	6.7	4.3	5.1	295.9	325.6	11.3	73.0	0.0	. C.	
	99.9	99. S	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	99949	999.9	999.	
	0.4	8.6	399.6	975.0	17.5	11.6	218.5	5.8	5.5	6.8	294.0	317.3	8.9	68.1	0.2	23.	
	1.0	10.8	621.3	950.0	15.9	12.0	217.9	9.4	5.8	7.4	294.6	319.2	9.3	77+5	0.4	31.	
	1.6	13.3	847.2	925.0	13.6	9.6	219.4	11.7	7.4	9.0	294.3	316.0	8.2	76.8	0.9	34.	
	2.4	15.7	1078.5	900.0	13.6	10.9	224.5	14.6	10.3	10.4	290.7	321.1	9.2	83.6	1.5	37.	
	3.2	18.1	1315.4	875.0	11.3	10.0	232.9	15.7	12.5	9.5	296.7	320.3	8.9	91.8	2.2	41.	
	4.1	20.5	1557.7	850.0	10.2	1.5	238.1	16.5	14.0	8.7	297.7	312.1	5.2.	56.8	3. 1	45.	
	5.0	23.0	1806.6	825.0	12.4	-11.2	239.6	14.4	12.4	7.3	302.0	307.9	2.0	18.0	3. 9	48.	
	5.9	25.6	2364.4	800.0	. 11-1	3.0	246.2	12.3	11.2	4.9	303.7	320.5	6.0	57.3	4.6		
	6.8	28.2	2328.6	77540	9.5	0.9	241.1	12.9	11.2	ۥ 2	304.7	319.7	5.3	55.0	5.3	53.	
	7.8	31.0	26CC.4	750.0	8.2	0.9	236.5	1.3.4	11.2	7.4	306.2	321.8	5.5	60.2	6.0	53.	
	8.7	33• E	2879.4	725.0	5.4	-0.0	237.6	14.2	12.0	7.6	306.1	321.2	5.3	67.9	6.8	53.	
	9.7	36. 4	3165.6	700.0	4.0	-6.4	243.0	14.4	12.8	6.5	307.4	317.5	3.4	47.1	7.6	54.	,
	10.7	39 • 3	3460.6	675.0	2.4	-6.2	249.1	14.8	13.8	5.3	308.8	319 • 4	3.6	52.7	8.5	55.	
•	11.9	42.0	3765.2	650.0	1.5	-12.7	261.9	14.8	14.6	2.1	310.9	31.7.7	2.2	33.8	9 • 5	. 57.	
	12.9	45.0	4079.9	625.0	-0.8	-12.0	269.9	17.1	17-1	0.0	311.9	319.3	2.4	42.1	1003	60.	
	14.0	48.1	4404.5	600.0	-3.6	-12.0	272.1	19-1	19.1	-0.7	312.2	320.0	2.5	52.2	11.5	63.	
	15.2	51.0	4740.0	575.0	-5.1	~10·7	265.5	17.9	17.8	1.4	314.4	323.4	3.0	64.9	12.6	60.	
	16.4	54. 3	5088.1	550.0	-7.5	-15.0	257.4	16.9	16.5	3.7	315.4	322.2	2.2	54.9	13.8	67.	
	17.5	57.3	5448.9	525.0	-9.9	-20-1	261.3	17.2	17.0	2.6	316.6	321.4	1.5	43.4	14.9	68.	
	18.8	EG. 7	5823.5	500.0	-12.8	-21.5	271.2	18.8	18.8	-0.4	317.6	322.0	1.4	47.8	16.2	7.0 •	٠
	20.2	64.2	6212.4	475.0	-16.0	-23.1	282.9	19.2	18.7	-4.3	318.3	322.4	1.2	54.2	17.7	72.	
	21.6	67.6	6618.0	450.0	-18.2	-40.3	282.6	18.1	17.7	-4.0	320.3	322.2	0.6	28.0		75.	
	23.1	71.0	7043.0	425.0	-20.5	-53.6	282.2	17.4	17.0	-3.7	322.6	322.8	0.1	3. 3	20.5	77.	
	24.7	74.3	7487.8	400.0	-24.7	-40.1	278.5	19.2	19.0	-2.9	322.8	323.8	0.3	22.4	22. 1	79.	
	26.3	78. 9	7954.2	375.0	-28.3	-57.4	278.4	19.4	19.2	-2.8	324.1	324.2	0.0	4.2	23.8	60.	
	28• 1	82.8	8446.0	350.0	-31.3	-59.0	289.6	22.7	21.4	-7.6	326.5	326 • 7	0.0	4.5	25. 8	82.	
	29.8	86.9	8967.4	325.0	-34.9	-61.1	293.8	20.5	18.8	-6.3	328.5	328.6	0.0	4.9	27.8	84.	
	31.7	91.4	9520.5	300.0	-39.7	99.9	288.2	22.1	21.0	-6.9	329.4	999.9	99.9	999.9	29. 9	86.	
	33.7	96.0	10108.6	275.0	-45.1	99.9	286.0	20.4	19.6	-5.6	330.0	999.9	99.9	999.9	32.2	88.	
	35.8	100.5	10737-3	250.0	-50-6	99.9	283.1	20.4	19.9	-4.6	330.9	999.9	99.9	999.9	34.8	89.	
	38.2	106.2	11417.9	225.0	-55.0	99.9	295.1	20.2	18.3	-8-6	334.3	999,9	99. 9	999.9	37.4	91.	
ė,	40.5	111.5	12162-8	200.0	-59.5	99.9	286-1	24.7	23.7	-6.9	338.5	999.9	99.9	999.9	40.3	92.	
	42.9	117.5	12993.0	175.0	-61.7	99.9	270.7	26.5	26.5	-0.3	346.1	997.9	99.9	999.9	44.0	73.	
	46.0	124.3	13956.5	150.0	-58.6	99.9	269-1	31.9	31.9	0.5	369.2	999.9	99.9	999.9	49.2	92.	
	49.2	131.0	15096.8	125.0	-61.0	59.9	285.2	27.2	26.2	-7-1	384 • 6	999.9	99.9	999.9	55.3	93.	
	53.2	138.3	16465.8	100.0	-66.8	99.9	271.2	19.7	19.7	-0.4	398.7	999.9	99.9	999.9	60.6	94.	
	58.5	145.5	18205.6	75.0	-65.4	99.9	303.6	8.9	7.4	-4.9	435.9	999.9	99.9	999.9	65.5	94.	
	65.5	153.0	20695.7	50.0	-60-3	59.9	329.6	6.0	3.0	-5.2	501.5	999.9	99.9	999.9	66.8	95.	
	77.3	161.0	25130.0	25.0	-50.2	99.9	70.0	2.8	-2.7	-1.0	640.4	999.9	99•9	999.9	66. 9	97.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED D\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSBORD. NC

160	324	0

TIME																
	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP.	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ -	
MIN		GFM	MB	DG C	CG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	7.5	275.0	987.9	20.6	15.8	210.0	7.7	3.8	6.7	296.3	326+6	11.5	74.0	0.0	. 0.	
99.9		99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	995.	
0.5		388.4	975.0	18.7	11.6	999.9	99.9	99.9	99.9	295.2	318.7	8.9	63.2	999.9	999.	
1.3		610.4	950.0	16.0	11.6	999.9	99.9	99.9	99.9	294.6	318.7	9.1	75.6	999. 9	995.	
2.2		836.7	925.0	13.7	11.7	224.8	15.6	11.0	11.1	294.5	319.4	9.4	88.2	1.8	44.	
3.3		1067.4	900.0	12.4	10.6	231.6	20.9	16.4	13.0	295.4	319.2	9.0	89. 1	3. 1	47.	
4.5		1304.8	875.0	12.7	7.4	240.8	19.8	17.3	9.7	298.0	318.1	7.4	69.9	4.5	50.	
5.5	21.1	1547.7	850.0	11.1	5.4	247.4	22.8	21.0	8.7	298.6	316.8	6.6	68.1	5. 7	53.	
6.5	23.9	1796.6	825.0	9.7	1.4	243.9	21.1	18.9	9.3	299.5	313.9	5.2	56.5	6. 9	55.	
7.5	26.3	2051.7	800.0	8.5	3.6	244.9	19.3	17.5	8.2	301.0	318.3	6.2	71.5	8.2	57.	
8.5	29.2	2314.4	775.0	7.7	2.4	251.9	16.3	15.5	5.1	302.9	319.4	5.9	69.0	9.4	58.	
9.7	32.1	2584.3	750.0	6.3	1.7	25364	16.5	15.8	4.7	304.1	320.5	, 5.8	72.5	10.5	59.	
10.8	35.0	2861.7	725.0	4.2	0.9	259.2	14.2	13.9	2.6	304. €	320.9	5.7	79.1	11.4	61.	
11.7	37.9	3146.5	700.0	1.5	0.6	253.0	13.8	13.2	4.0	304.9	321.1	5.7	93.1	12.2	62.	
13.0	40.6	3439.1	675.0	0.3	-2.4	243-1	16-0	1402	7.2	306.6	320.3	4.8	81.8	13.2	63.	
14.2	43.6	3742.0	650.0	-0.5	-3.8	243.5	17.5	15.9	7. 9	309.0	322.0	4.5	78.5	14.5	6.3	
15.4	46.5	4055.2	625.0	-2.0	-8.0	249.6	19.3	19.0	6.7	310.5	320.6	3.4	63.6	15.9	63.	
16.6	50.0	4378.8	600.0	-3.4	-22.2	261.3	18.2	18.0	2.7	312.3	315.7	1.1	21.7	17.0	54.	
17.5	53.0	4713.7	575.0	-6.0	-26.1	259.3	19.0	18.7	3. 5	313.0	315.6	0.8	18.5	18.3	65.	
19.1	56.3	5060-1	550.0	-8-6	-27.9	268.4	17.8	17.8	0.5	313.9	316.2	0.7	19.3	19.8	66.	
20.6	59.7	5418.4	525.0	-12.0	-23.6	276.0	18.1	18.0	-1.9	314.1	317.6	1.1	37.2	21.0	68.	
21.9	63,3	5790.0	500.0.	-14-3	-24.7	288.2	18.1	17.2	-5.7	315.6	319.0	1.0	40.9	22.4	70.	
23.6		6177.4	475.0	-16.4	-25.7	290.0	21.6	20.3	-7.4	317.8	321.1	1.0	44.7	24.0	7.3.	
25.3	70.5	6583.2	450.0	-18.3	-53.0	291.4	19.1	17.8	-7.0	320.2	320.4	0.1	2.9	25. 6	76.	
26.9	74.2	7007.2	425.0	-21.4	-54.4	284.4	19.0	18.4	-4.7	321.5	321.7	0.1	3 • 3	27.1	78.	
28.6	70.3	7451.2	400.0	-24.9	-56+0	292.9	19.3	17.8	-7.5	322.6	322.8	0.0	3.6	28. 9	80.	
30.4		7917.3	375.0	-28.2	-57.7	288.0	20.5	19.5	-e. 3	324.2	324.3	0.0	4.0	30.9	82.	
32.3	86.5	8408.2	350.0	-31,9	-59.7	297.7	15.8	14.0	-7.3	325.7	325.8	0.0	4.4	33.0	84.	
34.3		8927.4	325.0	-36.3	-62.3	293.2	24.7	22.7	-9.7	326.5	326.7	0.0	4.9	34.6	86.	
36.4		9478.6	300.0	-40.0	99.9	298.5	23.3	20.4	-11.1	329.0	999.9	99.9	999.9	37.2	86.	
38.5	100.6	10065.8	275.0	-45.5	99.9	305.4	20.6	16.8	-11.9	329.4	999.9	99.9	999.9	39. A	91.	
40.7		10694-1	250.0	-50.8	99.9	305.6	23.8	19-3	-13.8	330.5	999.9	99.9	999.9	42.2	93.	
43.1		11370-9	225.0	-56-6	99.9	308.2	20.4	16.0	-12.6	331.€	999.9	99.9	999.9	45.1	95.	
45.8		12106.2	200.0	-63.1	99.9	291.2	25.3	23.6	-9.1	332.8	999.9	99.9	999.9	48.6	97.	
48.8	123.7	12925.9	175.0	-61.3	99.9	291.4	28.0	26.1	-10.2	348.8	999.9	99.9	999.9	53.6	98.	
52.3		13898.0	150.0	-57.8	99.9	285.5	33.8	32.6	-9.0	370.5	997.9	99.9	999.9	60.3	99.	
56.3		15033.6	125.0	-62.0	99.9	276.9	25.8	25.5	-4.0	382.7	999.9	99.9	999.9	67.0	100.	
61-1		16407.4	100.0	-64-6	99.9	277.B	27.5	27.2	-3.7	403.0	999.9	99.9	999.9	74.7		
67.2		18161.9	75.0	-64.3	99.9	303.5	14.0	11.7	-7.7	438.2	999.9	99.9	999.9		100.	
75 - 8		20672.7	50.0	-59.2	99.9	22.4	3.0	-1.1	-2.7	504.1	999.9	99.9	999.9	30.1		
99.9		99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	000	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327 NASHVILLE. TENN

24 APRIL 1975 1500 GMT

163 20. 0

								1300 0						•	05 29	, .	
	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPLED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE		
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ĎG	
	0.0	5.3	180.0	992.5	21.8	16.7	180.0	7.7	0.0	7. 7	297.2	329.3	12.2	73.0	C. 0	0.	
	99.9	99.9	99.9	1000.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	-	
	0.3	6.7	334.5	975.0	20.4	16.1	199.3	17.3	5.7	16.3	297.3	328.6	11.9	76.2	0.4	25.	
	0.8	8.9	558.5	950.0	18.2	16.3	202-4	17.0	6.5	15.8	297.3	329.9	12.4	88.3	G. 7	21.	
	1.5	11.0	786•7	925.0	15.9	14.9	214.3	20.4	11.5	16.8	297.1	327.8	11.6	93.9	1.4	24.	
	2.4	13.4	1020.0	900.0	15.3	13.6	224.2	26.5	18.5	19.0	298.7	327.9	11.0	89.8	2.8	Jć.	
	3. 2	15.6	1259.5	875.0	15.0	11.6	230.1	27.4	21.1	17.6	300.7	327.3	9.9	80. 2	4-1	37,	
	4.1	17.9	1505.1	850.0	14.3	9.0	237•3	25.1	21.1	13.6	302.3	325.6	8.5	70.1	5.4	41.	
•		20.3	1757.3	825.0	13.3	7.6	241.5	24.3	21.4	11.6	303.7	325.8	8. 0	68.5	€. 5	44.	
	5.8	22.7	2015.8	800.0	11.4	5.3	243.3	26.0	23.2	11.7	304.2	323.9	7.0	66.2	7. 8	47.	
	6.7	25.3	2280.6	775.0	9.3	5.0	248.9	24.8	23.2	8.9	304.€	324.6	7.1	74.2	9.2	50.	
	7.7	27.7	2552.2	750.0	7.6	3.6	248.9	26.1	24.3	9.4	305.8	324.7	6.7	76.6	10.5	5.3.	
	. 5.7	30.4	2830.9	725.0	5.3	2.5	250.6	26.0	24.5	8.6	306.1	324.2	6.4	82.2	12.1	<b>55</b> •	
	9.7	33. i	3117.0	700.0	3.1	1.6	251.2	26.5	25.1	ۥ5	306.7	324.2	6.2	89,9	13.6	57.	
	10.8	35.8	3412.1	675.0	2.7	-7.0	249.2	-,	27.7	10.5	309.1	319.2	3.4	49.5	15.4	59.	
	11.9	38.6	3716.7	650.0	1.7	-17-9	248.9	31.4	29.3	11.3	311.0	315.6	1.4	21.7	17.4	6C.	
	13.0	41.4	4032.3	625.0	-0.1	-6.0	248.4	32.6	30.3	12.0	312.8	324.6	3.9	64.7	19.6	61.	
	14.2	44-4	4358.4	600.0	-1.6	-19.9	245.4	31.0	25.2	12.9	314.5	316.7	1.3	23.2	21.8	61.	
	15.3	47.5	4695.8	575.C	-4+1	-25.8	247.8	29•6	27.4	11.2	315.3	318.0	0.8	16.5	23.8	62.	
	16.4	50.5	5044.6	550.0	-6.9	~25.6	254.1	28.8	27.7	7. 9	310.0	318.9	0.9	26.7	25. 7	62.	
	17.6	<b>53.7</b>	5405.7	525.0	-9.4	-30.4	256.5	30.3	29+5	7-1	317.2	. 319.1	0.6	16.1	27. 8	63.	
	18.9	56.9	5781 • 0	500.0	-11.5	-34.3	259.9	30.4	29.9	5.3	319.0	320.4	0.4	13.9	30.0	65.	
	20.2	60.3	6171.7	475.0	-15.0	-36.9	258.9	28.3	27.7	5.4	319.3	320.5	0.3	13.4	<b>32.</b> 2	65.	
	21.7	64.0	6577.3	450.0	-19-1	-39.9	257.3	31.3	30.5	6.9	319.2	320.2	0.3	13.7	34.8	67.	
	23. 1	67.3	7001.8	425.0	-20.3	-40.8	264.3	30.4	30.3	3.0	323.0	323.9	0.2	13.9	<b>37.</b> 3	.68 <sub>e</sub>	
	24.8	71.0	7447.4	400.0	-24.1	-43.8	263.2	34.2	33.9	4 c 1	323.6	324.3	0.2	14.2	40.1	69.	
	26.5	75.0	7914.7	375.0	-28.0	-46.7	264.9	34.5=	34.4	3.1	324.5	325.1	0.1	14.6	43.4	70.	
	28.1	79.1	8406.3	350.0	-32.2	-50.0	271.5	27.0*	27.0	-0.7	325.3	325.7	0.1	14.9	46.6	71.	
	30 . 1	63.2	8925.3	325.0	-35.9	-53.0	275.1	24.3#	24.2	-2.1	327.1	327.4	0.1	15.3	48. 7	72.	
	32.1	87.5	9476.8	300.0	-40.0	99.9	270.0	25.8*	25.8	0.0	328.9	999.9	99.9	999.9	52. 2	74.	
	34.3	92.4	10064.2	275.0	-45.1	99.9	263.2	16.2*	16.1	1.9	329.9	999.9	99.9	999.9	54.6	74.	
ā.,	36.7	97.4	10693.5	250.0	-50.3	99.9	260.9	21-1	20.8	3.3	331.3	999.9	99.9	995.9	57.1	75.	
	39.1	1.02.6	11373-1	225.0	-55.9	99.9	261.9	21.8	21.6	J. 1	332.9	999.9	99.9	999.9	60.5	75.	
	41.9	106.5	12114.1	200.0	-60.3	99.9	264-1	26.6	26.5	2.7	337.4	999.9	99. 9	999.9	63. 9	76.	
	44.5	114.8	12938-8	175.0	-64.0	99.9	262.2	23.6	23.4	3.2	344.3	999.9	99.9	999.9	67.8	76.	
	48.3	121.7	13903.1	150.0	-58.5	99.9	266.5	44.7*	44.6	2.8	369.3	999.9	99.9	999.9	74.9	77.	
	52.1	129.0	15047.4	125.0	-60.9	99.9	278.5	25.4+	25.2	-3.8	384.7	999.9	99. 9	999.9	81.9	79.	
	56.7	137.3	16422.8	100.0	-63.0	99.9	272.0	16.5*	16.5	-0.6	406.1	999.9	99.9	999.9	89.0	79.	
	62.2	145.7	18178.6	75.0	-63.0	99.9	275.2	12.9	12.9	-1.2	440.8	999.9	99.9	999.9	94.0	79.	~'
	69.5	155.0	20697.8	- 50.0	-58.3	99.9	43.9	3.0	-2.1	-2.1	506.2	999.9	99.9	999.9	95. 6	80.	
	R1.0	165-0	. 251 AG. Q	25.0	-50-6	60.0	246-8	8.7	8.0	1-A	430.3	909-0	99.9	000.0	94.8	A1	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE ROCK. ARK

26 APRIL 1975 1540 GMT

									*				•		. •
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	48	DG C	DG C	DG	M/SEC	MISEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5.7	79.0	1304.4	24.4	18.8	230.0	7.7	5.9	4.9	299.0	335.3	13.8	71.0	0.0	0.
0.2	5.9	117.5	1000.0	23.8	18.0	227.1	11.3	8.3	7. 7	298.7	333.5	13.2	70.3	0.2	35.
1.0	e. 2	338.9	975.0	21.7	18.1	230.7	12.9	9.9	8.2	298.8	334.6	13.6	80.1	0.7	45.
1.8	10-5	564.2	950.0	19.3	17.2	235.4	14.8	12.2	e.4	298.5	333.3	13.2	88.0	1.3	49.
2.6	12.8	793.6	925.0	17.4	15.9	242.4	17.9	15.9	8.3	298.8	331.6	12.4	90.8	2. 1	53.
3.3	15.2	1026.2	900.0	16.7	15.1	248.9	20.1	18.8	7.3	300.3	332.6	12.1	90.3	2. 9	50.
4.1	17.6	1268.3	875.0	14.8	13.4	248.0	21.1	19.6	7.9	300 e 6	330.5	11.1	91.2	3.8	60.
4.9	20.0	1513.4	850.0	12.9	8 - 1	248.3	22.4	20.8	8.3	300.7	322.6	8.0	72.5	4.9	61.
5.8	22.4	1767.3	825.0	16.5	3.0	247.1	18.3	16.9	7 • 1	306.9	323.3	5.8	40.3	6.1	63.
6.7	25.1	2028.4	800.0	14.6	3.1	238.9	15.2	13.0	7.9	307.5	324.8	6.0	46.1	7.0	63.
7.7	. 27.6	2296.8	775.0	14.3	-0.5	250.7	11.9	11.2	.3.9	309.8	323.6	4.5	36.4	7.8	63.
8.7	30.2	2572.5	750.0	11.8	1.1	262.7	11.6	11.5	1.5	310.1	326.2	5.5	47.7	8.4	64.
9.6	33.0	2854.7	725.0	8.8	1.0	266.1	12.0	12.0	0.8	309.8	325.4	5.7	58.3	9. 0	65.
10.5	35.5	3144.5	700.0	6.7	-2.8	268.6	11.9	11.9	0.3	310.4	323.6	4.5	50.8	9.7	67.
11.7	36. 4	3441.7	675.0	3.8	-5.6	272,4	11.9	11.9	-C. 5	310.4	321.4	3.7	50.2	10.4	69.
12.7	61.1	3747.1	650.0	1.3	-7.4	276.0	13.7	13.6	-1.4	310.9	321.0	3.4	52.2	11.1	70.
13.7	44-1	4061.7	625.0	-0.8	-26.7	278.4	16.7	16.5	-2.4	311.6	314.0	0.7	12.3	11.9	72.
14.8	47.3	4386.9	600.0	-2.2	-51.3	280.2	20.9	20.6	-3.7	313.5	313.7	0.1	1.0	13.0	75.
15.9	5C+ 3	4722.T	575.0	-5.3	-53.3	281.8	23.2	22.7	-4.7	313.8	314.0	0.0	1.0	14.3	77.
17.1	53.4	5070.3	550.0	-7.2	-54.5	274.9	25.8	25.7	-2.2	315.5	315.7	0.0	1.0	16.0	80.
18.3	56.6	54 30 • 6	525.0	-10.2	-56.4	271.6	28.7	28.7	-0. B	316.1	316.2	0.0	1.0	17.9	81.
19.5	60.0	5504.6	500.0	-12.4	-57.8	264.5	29.3	29.2	2.8	317.9	318.0	0.0	1.0	20. 1	82.
20.7	63.5	6196.4	475.0	-13.6	-58.5	259.0	25.7	25.2	4.9	321.1	321.2	0.0	1.0	22.0	82.
22.1	67.0	6604.3	450.0	-17.2	-60.9	258.4	22.3	21.8	4.5	321.5	321.6	0.0	1.0	24.0	82.
23.7	70.6	7030-2	425.0	-20.7	-63.1	260.5	23.1	22.8	3.6	322.4	322.5	0.0	1.0	26. 1	81.
25.4	74.4	7474.8	400.0	-24.8	-65.8	256.7	25.4	24.9	5.0	322.7	322.7	0.0	1.0	28. 6	81.
27.1	78.5	7940.3	375.0	-28.8	-68.4	260.5	26.6	26.2	4.4	323.3	323.4	0.0	1.0	31.5	81.
29.1	82.5	8430.0	350.0	-32.5	-65.6	262.2	27.7	27.4	3. 3	324.9	324.9	0.0	1.4	34.5	81.
31.3	86.6	5948.7	325.0	-36-1	-68.7	263.4	26 0	25.8	3.0	326.9	326.9	0.0	1.9	38 <b>.</b> 0	81.
33.6	91.2	9500.2	300.0	-40.0	99.9	264.7	28.4	28.2	2.6	329.0	999.9	99.9	999.9	41.9	81.
36.0	95.9	10089.4	275.0	-43.6	99.9	273.6	26.2	26.2	-1.6	332.1	999.9	99.9	999.9	45.8	92.
38.2	100.5	10723.0	250.0	-48.6	99.9	278.7	24.5	24.2	-3. 7	333.8	999.9	99.9	999.9	49.0	83.
40.7	106.3	11410.1	225.0	-52.7	99.9	28101	25.1	24.6	-4.8	337. €	999.9	99.9	999.9	52.6	84.
43.4	112.0	12160.6	200.0	-58.6	99.9	301.9	19.0	16.1	-10.0	340.0	999.9	99.9	999.9	56.0	86.
46.3	118.3	12989.9	175.0	-63.5	99.9	27244	22.2	22.2	-0.9	345.2	999.9	99.9	999.9	59 <sub>e</sub> 1	. e7.
49.6	125.3	13937.5	150.0	-61.9	99.9	259.0	38.2	37.5	7.3	363.4	999.9	99.9	999.9	64.9	87.
53.9	132.7	15068.4	125.0	-56.9	99.9	254.7	27.6	26.6	7. 3	388.4	999.9	99.9	999.9	74.7	86.
58.7	140. 3	16453.8	100.0	-62.1	99.9	260.2	13.4	13.2	2.3	407.8	999.9	99.9	999.9	82.8	85.
63.9	148.7	18201.4	75.0	-68.5	99.9	245.5	11.3	10.2	4. 7	429.3	999.9	99.9	999.9	85. Z	85.
71.9	156.0	20720-8	50.0	-57.7	99.9	31306	9.6	7.0	-6.6	507.4	999.9	99.9	999.9	89.4	85.
83.0	167.7	25186.1	25.0	-50.2	99.9	999.9	99.9	99.9	99.9	640.7	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349 MONETTE . NO

24 APRIL 1075

AFRIC	,713			
1547 GMT		146	46.	0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTG	.eH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	. GM/KG	PCT	KM	D'G
0.0	7.9	438.0	961.1	15.6	13.8	150.0	7.7	-3.9	6.7	293.4	320.5	10.4	89.0	0.0	0.
99.9	99.9	59.9	1000.0	99.9	99.9	99.9	99.9	99.9	<b>99.9</b>	94.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99. 4	99.9	99.9	99.9	99.9	999.9	99.9	995.9	999. 9	9990
0.3	8.9	536.8	950+0	15.0	13.3	147.9	14.7	-7.8	12.5	293.7	320.3	10.2	89.8	6.4	327.
1.2	11.1	762.4	925.0	14.4	11.7	145.6	11.8	-6.7	9.7	255.3	320 • 2	9e 4	84.2	1 - 1	326.
2.1	13.5	996.2	900.0	16.7	11.8	167.1	8.0	-1.8	7.8	300.0	326.3	9.7	72.8	1.5	326.
3.1	.15.5	1236.1	875.0	14.9	13.2	197.7	10.4	3.2	9. 9	300.7	330.3	11.0	89.7	2.0	
3.9	18. I	1481.7	850.0	13.7	13.1	220,9	12.0	7.9	9.1	302.0	332.4	11.3	96.4	2• 4	
4.9	20.5	1734.0	825.0	12.8	12.0	231.1	15.3	11.9	9+6	303.5	. 332•9	10.8	95.2	2. 9	
5. 8	22.9	1992.6	800.0	11.5	10.3	234.9	16.5	13.5	9. 5	304.€	332.1	9.9	92.3	3. 5	
6.5	25.5	2258.3	775.0	10.0	7.9	236.7	17.2	14.4	9.5	305.7	329.8	8. 7	37.0	4, 2	
7.7	27.9	2530.5	750.0	-8.1	5.8	235.8	16.9	14.0	9.5	306.4	328.3	7.8	65.4	5.0	
8.7	30.6	2610.0	725.0	5 <sub>0</sub> 8	4.3	237.8	17.9	15.1	9.5	306.7	327.1	7.2	90.6	5, 9	
9.7	33.3	3097.6	700.0	7.2	-11.1	241.0	20.6	18.0	10-0	310.7	317.9	2.3	25.8	7.0	
19.8	35.9	3395.7	675.0	5.1	-11.4	242.3	21.0	19.1	10.0	311.6	318.9	2.4	29 <u>.</u> 2	8.4	
12.0	38,6	3702.3	650.0	2.1	-12.7	242.4	22.0	19.5	10.2	311.6	318.5	2.2	32.4	9. 5	
13.2	41.4	4017.2	625.0	-1.0	-15.3	246.3	21.4	19.6	8.6	311.5	317.3	1.9	32.7	11.3	
14.3	44.2	4341.9	600.0	-3.1	-17.5	248.6	21.7	20.2	7.9	312.7	317.8	1.6	31.6	12.6	
15.4	47.3	4677.8	575.0	-5.3	-19.5	259.5	23.0	22.6	4.2	313.9	318.4	1.4	31.7	14.1	
16.6	- 50. 3	5025.3	550.0	-7.7	-23.4	274.6	25.2	25.1	-2.0	315.0	315.4	1.1	27.2	15.4	
, 17.9	53.3	53PE.4	525.0	-10-1	-27.7	273.2	28.2	28.2	-1.6	316.4	314.9	0.7	21.9	17.1	
19.3	56 e 3	5760.1	500.0	-11.9	-29.8	262.7	27.3	27.1	3.5	318.6	320.8	0.6	20.7	19.2	
20.7	59.6	6151.4	475.0	-14.1	-29.5	254.8	27.8	26.8	7• 3	320.6	323.0	0.7	25.8	21.5	
22.2	€3•1	6559.1	450 · C	-17-6	-30.3	256.6	26.6	27.9	6.6	321.1	323.4	0.7	31.8	24.0	
23.6	€ € • 3	6984.0	425.0	-21.2	-33.2	256.5	31.7	30.8	7.4	321.8	323.7	0.5	32.9	26.5	
25.2	70• Q	7427.9	400.0	-25.1	-35.6	255.0	31.3	30.2	e. 1	322.3	323.9	0.5	30.8	29,4	
26. 9	73.6	7893.3	375.C	-29.2	-39.4	257.9	31.3	30.6	6.6	322.9	324.1	0.3	36.1	32.6	
28.7	77-6	8382.2	350.0	-33.0	-39.2	262.3	33.5	3362	, ₹, 5	324.2	325.5	0.4	5 3 . 5	36.0	
30 <b>.</b> 5	81.5	8899.7	325.0	-36.6	-44.7	262.7	36.0	35.7	4.6	326.2	327.0	0.2	42.1	39. 3	
32. 5	85.7	9449.3	300.0	-41.0	59.9	261.4	39.3	38.8	5.9	327.5	999.9	99.9	999.9	445 3	
34.6.8	90.3	10035.2	275.0	-45.1	99.9	267.0	35.2	35.1	1.8	32 9. 9	999.9	99.9	999.9	49.0	
36. 9	95.2	10665.6	250.0	-49.6	99.9	269.9	38.8	38.8	0.0	332.4	999.9	99.9	999.9	53.7	
39.3	100.2	11348,1	225.0	-54.4	99.9	264.5	41.2	41.0	3. 9	335.1	999.9	99.9	999.9	56. 9	
41.9	105.5	12093.8	200.0	-58.6	99.9	262.8	30.6*		3. 8	340.0	599.9	99.9	999.9	64.6	
44.9	111.3	12925.6	175.0	-61.9	99.9	261.8	27.4*	27-1	3.9	347.7	999.9	99.9	999.9	69.2	
48.4	117.5	13887.1	150.0	-59.8	99.9	250.3	27.7*	26.1	9, 3	367.1	999.9	99.9	999.9	75.1	
52.4	125.0	15030.3	125.0	-58.8	99.9	. 266.5	30.0	30.0	1.9	300.5	999.9	99.9	999.9	83.6	
57.2	1 33.0	16427.0	100.0	-61.7	99.9	258.0	34.9+	34.2	6.9	408.5	999.9	99.9	999.9	91.4	
63.1	141.3	18211.2	75.0	-65.5	99.9	263.8	9.2.	9.2	1.0	435.6	999.9	99.9	990.9	96.0	
71.5	150.7	20742.2	50.0	-56.2	99.9	999.9	99.9	99.9	99.9	511.2	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	94.9	999.9	99.9	999.9	999. 9	<b>3</b> 33•

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363 AMARILLO. TEX

132 57. 0 MX RTO RH RANGE AZ TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T M/SEC M/SEC DG K GM/KG PCT KM DG GPM MB DG C DG C DG M/SEC DG K MIN 299.0 308.1 3.2 26.0 0.0 0.0 1095.0 886.5 15.3 -4.1 310.0 4.1 3.1 -2.6 13.8 1000.0 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99. 9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99. 3 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99.9 99.9 900.0 95.9 59.9 99.9 99.9 99.9 99.3 99.9 999.9 99.9 999.9 999. 9 999. 269.3 4.3 0.1 299. 8 308.0 2.8 23.1 0.2 86. 14.8 1205.5 875.0 15.0 -5.9 4.3 0.3 305.9 3.3 -2.4 305.6 314.2 2.9 18.7 C. 3 86. 1452.2 850.0 18.2 -6.0 4.1 1.1 16.3 -10.7 314.3 18.2 0.7 131. 825.0 -7.7 329.2 12.5 6.4 306.5 2.6 2.0 19.1 1706.6 16.6 21.2 ₹967**.**5 800.0 14.7 -8.8 315.2 7.9 5.6 -5.6 307.1 314.5 2. 5 18.7 1.1 131. 2.9 -6.5 307.7 314.7 2.3 19.4 1.5 136. 3.7 . 23. 5 2234.7 775.0 12.7 -10.1 335.8 7.1 2.9 -1.5 308.7 315.2 2.1 19.5 1.8 134. 25.8 2508.6 750.0 10.9 -11.5 281.2 8.0 7.8 4.6 29.2 2789.5 725.0 8.0 -3.3.4 275.1 8.9 8.9 -0.5 308.5 314.3 1.9 20.1 2. 3 126. 5.5 -14.9 0.8 309.0 314.3 1.7 21.1 2.7 120. 30.7 3077.7 700.0 264.6 8.5 8.4 6.5 5.7 33.2 3373.7 675.0 3.0 -15.8 263.6 10.7 10.6 1.2 309.2 314.3 1.6 23.5 3.1 114. 7.4 309.3 313.9 1.5 25.1 3.7 169. 8.4 35.7 3677.7 650.0 0.1 -17.5 267.3 11.6 11.6 0.6 315.0 26.1 4.3 196. 9.3 38.2 3990.7 625.0 -1.8 -18.7 265.1 12-1 12.0 1.0 310.6 1.4 40.8 4314.4 600.0 -4.0 -23.9 249.7 15.0 14.0 5. 2 311.5 314.5 0.9 19.6 5.0 102. 10.3 17.0 313.4 315.7 0.7 16.2 6.0 95. 11.5 43.6 4649.0 575.0 -5.7 -27.3 242.0 19.2 9.0 -29.5 315.5 317.5 0.6 14.9 7.2 89. -7.3 241.1 18.0 9.9 12.5 46.4 4996.2 550 · G 20.6 316.5 8.5 84. 525.0 -31.1 244.3 20.5 9.9 318.3 0.5 15.8 13.7 5357.0 -10.0 22.7 49.4 9.9 82. 9.9 316.8 318.3 0.4 16.1 14.7 5730.7 500.0 -13.3 -33.7 244.8 23.4 21.2 52. 3 243.6 318.0 319.4 0.4 16.8 11.6 79. 475.0 -35.5 22.4 16.0 55.3 6119.1 -16.1 25e0 11.1 13.5 77. 24.5 319.4 320.5 0.4 20.5 6523.7 450.0 -19.0 -36.1 245.7 26.8 11.0 17.2 56.4 320.7 323.5 0.8 53.6 15. 7 76. -22.1 -28.9 249.9 27.8 10.1 18.7 61.8 6946.8 425.0 29.6 322.1 18.7 75. 7390.0 400.0 -32.1 30.3 10.3 324.3 0.6 52.7 20.2 65.2 -25.3 251.2 32.0 324 . 4 0.5 51.3 21.5 74. 21.7 68.7 7654.8 375.0 -29.3 -36.1 249.8 31.9 29.9 11.0 322.€ 325.6 42.6 24.7 74. 23. 3 72.2 6344.1 350.0 -32.8 -41.1 247.4 32.3 29.5 12.4 324,5 0.3 325.7 326.5 0.2 44.5 28.1 73. 25.0 76.2 8861.8 325.0 -36.9 -44.6 248.5 34.4 32.1 12.4 999.9 99.9 999.9 31.7 73. 26.7 80.3 9411.0 300.0 -41.2 99.9 254.9 35.4 34.1 9.2 327.3 99.9 999.9 35.6 73. 34.3 327.9 999.9 28.5 84.5 9994.9 275.0 -46.5 99.9 256.7 35.2 8. 1 74. 330.2 999.9 99.9 999.5 40.2 30.6 89. 3 10620.8 250.0 -51.0 99.9 257.6 39.7 38.7 e• 5 999.9 999.9 44.6 74. 333.3 99.9 32. B 94.0 11299.1 225.0 -55.6 99.9 256.6 41.8 40.7 9.7 999.9 99.9 999.9 49.8 75. 12043.2 -59.5 99.9 260.5 44.8 44.2 7.4 338.6 35.3 99.2 200.0 23.0 345.9 999.9 99.9 999.9 55. I 75. 12870e5 99.9 257.5 23.5 5. 1 38.0 105.0 175.0 -63.1 111.3 364.9 41.0 13826-1 -61.0 59. 3 256.0 36.9 9.2 999.9 99.9 999.9 62.6 76. 150.0 38.1 301.5 999.9 99.9 999.9 69.2 76. 44.4 118.3 14956.9 125.0 -62.7 99.9 251.6 26.8 25.4 8. 5 999.9 99.9 999.9 75. 9 75. 49.2 127.0 -61.0 99.9 256.5 409.8 16336.2 100.0 19.1 16.6 4.4 444.6 54.5 99.9 999.9 99.9 999.9 84.5 75. 136.7 18120.3 75.0 -61.1 265.4 22.4 22.3 1.0 999.9 999. 99.9 99.9 99.9 99.9 999.9 99.9 999.9 99.9 99.9 99.9 50.0 99.9 99.9 99.9

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<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 402 WALLOPS ISLAND, VA

							7								
T IME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.2	4.0	1017.5	16.7	11.2	999.9	99.9	99.9	99. 9	289.5	310.9	8.3	70.0	999. 9	939.
0.4	5.5	153.0	1000.0	18.7	12.4	995.9	99.9	99.9	99.9	293.1	317.0	9.1	66.6	<b>99</b> 9. 9	970.
1.0	7.4	370.2	975.0	17.5	11.9	999.9	99.9	99.9	99.9	293.9	317.8	9.1	70.0	999.9	995.
2.0	9.5	591.6	950.0	15.2	11.7	999.9	99.9	99.9	55.9	293.8	317.8	9.1	79.4	999. 9	999.
3.2	11.3	617.4	925.0	13.4	11.9	999.9	99.9	99.9	99.9	294.2	319.2	9.5	90.6	999.9	914.
4.1	13.5	1048.0	900.0	11.7	10.8	999.9	99.9	99.9	99.9	294.8	318.6	9.1	. 94. 0	997. 9	979.
4.9	15.6	1284.4	875.0	12.4	8.9	999.9	99.9	99.9	99.9	297.7	319.9	802	79.6	999.9	939.
5.8	17.7	1528.1	850.0	12.4	7.6	999.9	99.9	99.9	99.9	300.1	321.3	7.7	72.5	999. 9	999.
6.9	20.0	1778.1	825.0	10.6	6.4	999.9	99.9	99.9	59 <b>.</b> 9	300.7	320.9	7.4	75.7	999.9	930.
7.9	22.1	2034.1	800.0	8.5	6.3	999.9	99.9	99.9	99.9	301.2	321.9	7.5	85.9	999.9	949.
8.9	. 24.4	2296.6	775.0	6.9	4.7	999.9	99.9	99.9	99.9	302.2	321.4	6. 9	85.4	999. 9	977.
9.8	26.6	25t 6. 0	750.0	5.4	1.6	999.9	99.9	99.9	99.9	303.2	319.4	. 5.7	76.2	999. 9	999.
10.8	29.0	2842.6	725.0	3.9	-0-1	999.9	99.9	99.9	59.9	304.4	319.4	5.3	75.1	999. 9	997.
11.7	31.5	3127.3	700.0	1.8	-2.6	999.9	. 99.6	99.9	99,9	305.1	318.1	4.5	72.4	999. 9	9490
12.5	34.1	3420.3	675.0	0.7	-6-1	999.9	99.9	99.9	99.9	306.9	317.4	3.6	60.1	999. 5	643.
13.8	36.5	3722.7	650.0	-1.3	-7.9	999.9	99.9	99.9	99. 9	307.9	317.6	3.3	60.6	999. 9	979.
14.9	39.1	4034.3	625.0	-3.1	-9.0	999.9	99.9	99.9	99.9	309.3	318.5	J• 1	63.5	999. 3	999.
16-1	41.7	4357.3	600.0	-4.0	-23.7	599.9	99.9	99.9	99.9	311.5	314.6	1.0	20.3	999. 9	999.
17.4	44.6	4692.3	575.0	-5.2	-25.2	999.9	99.9	99.9	99.9	314.0	316.8	0.9	19.0	999.9	977.
18.6	47.4	5040.4	550.0	-7.1	-26.7	999.9	99.9	99.9	99.9	315, 8	319.4	0.8	19.1	995.9	9.9.
19.8	50.3	5401.2	525.0	-10.0	-28.0	999.9	99.9	99.9	99.9	316.5	318.9	0.7	21.1	999.9	999.
21.1	53. 3	5775.3	500.0	-12.8	-26.0	999.9	99.9	99.9	99.9	317.5	320.6	0.9	31.6	999.9	979.
22.4	56.1	6165.7	47.5.0	-14.3	-29.8	999.9	99.9	99.9	99.9	320.3	322.5	0.7	25.3	999.9	939.
23.9	59.4	6573.0	450.0	-17.5	-29.5	999.9	99.9	99.9	99.9	321.3	323.8	0.7	34.0	999.9	975.
25.4	62.9	6999.9	425.0	-19.4	-34.3	999.9	99.9	99.9	99.9	324.1	325.8	0.5	25.3	999.9	999.
27e0	66.1	7447.5	400.0	-22.5	-37.7	999.9	99.9	99.9	99.9	325.7	327.0	0.4	23.5	999.9	939.
28+5	69.9	7917.8	375.0	-25.9	-43.4	999.9	99.9	99.9	99.9	327.2	325.0	0.2	17.4	999.9	939.
30.2	73.6	8414.1	350.0	-29.7	-46.5	999.9	99.9	99.9	99.9	328.6	329.2	0.2	17.7	999. 9	979.
32.0	77.8	8936.7	325.0	-34.7	-49.0	999.9	99.9	99.9	99.9	328.7	329.2	0 • 1	21.6	999. 9	944.
33.9	e2.0	9499.3	300.0	-40-1	99.9	999.9	99.9	99.9	99.9	328.9	699.9	99.9	999.9	995.5	999.
36.0	86.4	10078.0	275.0	-44.2	99.9	999.9	99.9	99.9	99.9	331.2	999.9	99.9	999.9	999. 9	979.
38.1	91.3	10709.1	250.0	-49.8	99.9	999.9	99.9	99.9	99.9	352.1	949.9	99.9	999.9	999.9	9990
40.7	96.4	11390.4	225.0	-55.2	99.9	999.9	99.9	99.9	95.9	333.9	949.9	99.9	999.9	999. 8	999.
43.3	101.8	12136.4	200.0	±58.4	99.9	999.9	99.9	99.9	99.9	340.3	599.9	99.9	999.9	999. 9	999.
45.8	108.3	12966.0	175.0	-64.3	99.9	999.9	99.9	99.9	99.9	343.8	999.9	99.9	999.9	999.9	999.
49.0	114.7	13899.5	150.0	-66.4	99.9	999.9	99.9	99.9	99.9	355.7	999.9	99.9	999.9	990. 3	999.
52.8	122.0	15039.9	125.0	-56.6	99.9.	999.9	99.9	99.9	99.9	392.5	999.9	99.9	999.9	999. 9	999.
57.3	130.0	16441.0	100.0	-59.2	99.9	999.9	99.9	99.9	99.9	413.3	999.9	99.9	999.9	999.9	994.
62.9	138.3	18223.1	75.0	-63.8	99.9	959.9	99.9	99.9	99.9	439.1	999.9	99.9	999.9	999. 9	999.
70.1	147.0	20728.2	50.0	-59.9	99.9	599.9	99.9	99.9	99.9	502.3	999.9	99.9	999.9	999.9	939.
60.6	156.0	25141.0	25.0	-52-0	99.9	996.9	99.9	99.0	99. 9	635.2	999.9	99.9	999.9	999. 9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEPF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 405 STERLING. VA

24 APRIL 1975 1415 GMT

						2 4	. –	17/3							
				•			1415 G	MT					1	35 56.	. 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	. V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	CHICI			. —					4/SEC	DG K	DG K	GM/KG	PCT	KM	DG
WIN		GFW	MB	DG C	DG C	DG	M/SEC	M/SEC	4/5EC	DG K	DG K	GMZKG			į, G
0.0	5.5	85.0	1003.6	18.3	15.6	200.0	5-1	1.7	4.6	292.6	321 • 6	11.2	84.0	0.0	Ç.
0.2	5.7	116.0	1000.0	18.5	14.2	201.6	7.5	2.6	€.9	293.0	319.9	10.3	76.6	0.1	12.
1.6	7. 5	333.1	975.0	16.9	13.2	208.5	12.0	5.7	10.6	293.5	319.3	9.9	79.0	1.0	25.
2.5	5.8	. 554.2	950.C	14.6	11.3	214.3	14.4	8.1	11.9	293.2	316.6	5.9	80.7	1.7	27.
3.5	11.7	780.6	925.0	15,0	10.8	220.7	13.8	9.0	10.5	295.8	319.3	8 · 8	75.7	2.6	31.
4.5	13.9	1012.5	900.0	14.0	9.3	235.3	15.5	12.7	6.9	297.1	319.2	8.2	73.4	3. 4	34.
5.3	15.9	1250-2	875.0	12.6	5.5	253.6	14.6	14.0	4.1	297.9	319.7	8.1.	76.7	4.1	47.
6.3	18.1	1493.4	850.0	11.4	8.3	260.7	19.3	19.0	3.1		321.2	8.1	81.3	4. 9	4 15 .
7.3	20. 3	1743.1	825.0	10.3	7.0	270.7	17.1	17.1	-0.2	300.5	321.5	7.7	80.3	5.8	54.
8.4	22.5	1990.2	800.0	9.2	4.5	266.6	19.8	19.8	1.2	301.9	320.6	6.8	73.7	6.7	60.
9.5	24.7	2262.4	775.0	8.4	1.6	264.4	21.7	21.6	2.1	303.5	319.2	5.6	62.4	8.0	64.
10.7	27.0	2532.5	750.0	6.1	0.4	259.6	21.0	20.7	3.8	303.9	310.9	5.3	66.8	9.5	67.
11.9	29.5	2810.1	725.0	4.8	2.0	252.2	21.7	20.6	. 6e 6	305.5	320.8	5.4	71.9	51.9	off.
12.9	32.1	3095.9	700.0	3.1	-1.5	246.5	22.0	20.2	8.8	300.6	320.8	4.9	71.6	12.4	59.
14.1	34.7	3390.0	675.0	0.6	-2.0	242.7	22.4	19.9	10.3	307.2	321 • 4	4.9	61.5	13.9	66.
15.2	37.2	3692.5	650.0	-1.5	~5.0	243.8	24.3	21.6	10.7	307.7	319.7	4.1	77.3	15.5	67.
16.4	39.9	4004.0	625.0	-3.6	-7.3	247.4	26.1	24.1	10.0	308.7	319.2	3.5	75.4	17. 2	67.
17.7	42.4	4325.5	600.0	+6.0	-9.2	253.0	27.2	26.0	7.9	309.5	319.0	3.2	78.0	19.4	67.
19.0	45.2	4657.5	575.0	-8.4	-12.6	256.5	27.1	26.4	6.3	310.5	318.2	2.5	71.3	21.5	68.
20.6	40.1	500C.B.	556.0	-10.9	-15.2	259.8	28.5	28.1	5.1	311.3	317.5	2.1	71.1	24.0	59.
21.8	50.9	5357.6	525.0	-12.0	-14.9	271.2	25.6	25.6	-0.5	314.2	321.4	2.3	79.2	26.1	71.
23.4	£3, 9	5729.6	500.0	-14.2	-17.3	269.6	25.4	25.4	0.2	315.9	322.1	2.0	77.1	28.1	72.
24.8	56.3	6116.9	475.0	-17.2	-20-1	266.5	23.6	23.5	1.4	316.9	322.1	1.6	77.8	30.3	73.
26.5	60.0	6520.4	450.0	-19-6	-23.0	271.5	22.3	22.3	-0.6	318.7	323.1	1.3	74.1	32.3	74.
27.9	63.3	6943.2	425.0	-22.6	-27.2	275.5	25.6	25.5	-2.4	320-1	323.3	1.0	65.8	34.4	76.
29.3	66.5	7384.8	400.2	-26.5	-29.4	282• H	24.7	24.1	-5-5	320.6	323.4	0.0	76.4	36. 3	77.
30.9	70.0	7848.6	375.0	-29.5	-37.1	290.4	23.1	21.7	-8-1	322.5	324.0	0.4	47.5	38.3	7.50
32.5	73.4	8337.0	350,0	-33.7	-41.8	287-1	24.1	23.0	-7.1	323.2	324.2	6.3	43.7	40.0	80.
34.4	77.3	8851.5	325.0	-38.3	-46.2	297.5	24.2	21.5	-11.2	323.8	324.5	0.2	42.8	42.7	92.
36.3	81.0	9396.8	300.0	-42.8	99.9	302.5	24.6	20.7	-13.2	325.0	999.9	99.9	999.9	44.9	94.
38.2	25.1	9977.7	275.0	-47.5	99.9	299.0	33.5	29.3	-16.2	326.5	999.9	8 99.9	999.9	47.4	A 7.
		10600.9	250.0	-52.4	99.9	298.6	39.8	35.0	-19.1	328.2	999.9	99.9	999.9	51.4	84.
40.3	89.4			-58.2	99.9	305.6	42.0	34.2	-24.4	329.3	999 <b>.9</b>	99,9	999.9	56. 7	93.
42.5	94.0	11272-5	225.0 200.0	-64.5	99.9	300.7	45.1	38.8	-23.0	330.7	999.9	99.9	999.9	61.5	96.
45.1	99.0 104.2	12003.7 12814.3	175.0	-64.2	99.9	298.8	19.3	16.9	-9.3	344.0	999, 9	99.9	999.9	66.0	75.
47.8					59.9	276.8	27.5	27.3	-3.2	362.7	999.9	99.5	999.9	6968	98.
51.2	110.2	13765-5	150.0	-62.4	. //				-11.5	397.9	999.9	99.9	999.9	76.1	96.
55.4	116.5	14909.5	125.0	-53.6	99.9	293.2	29.2 16.8	26.8 16.2	-4.2	414.3	999.9	99.9	999.9	83.5	99.
60.1	124.0	16331.2	100-0	-58.7	99.9	284.4			_		999.9	99.9	999.9		100.
66.4	132.3	18099.5	75.0	-63.2	99.9	316.6	14.5	9.9	-10.5 99.9	440+4 99+9	999.9	30.3	999.9		
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9				99.9	999.9	999. 7	-
99.9	99.9	99•9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	7707	22.20.2	AAA6 A	AA40 .

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 425 HUNTINGTON. BVA

24 APRIL 1975

1415 GMT SPEED U COMP

MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	D.C.	
0.0	7.7	246.0	981.7	20.6	14.5	240.0	6.2	5.4	3.1	296.7	324.9	10.7	68.0	0.0	0.	
99.9	ç g. 'g	99.9	1000.0	` 99 <b>.</b> 9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.2	B • 3	305.4	975.0	20.3	15.0	206.6	17.0	7.6	15.2	297.0	326.3	11-1	71.7	<b>0.</b> 3	27.	
0. 9	10.5	529.8	950.0	19.3	13.7	210.1	17.2	8.6	14.9	298.2	326.1	10.5	70.1	0.6	27.	
1.5		759.0	925.0	17.5	13.0	213.0	20.1	11.0	16.9	298.6	326.0	10.3	74.9	1.3	30∙	
2.1	15.1	992.8	900.0	15.4	12.5	217.1	23.7	14.3	18.9	298.8	326.0	10.2	82.7	2. 1	31.	
2.9	17.3	1232.0	875.0	14-1	13.0	227.3	27.8	20.4	10.8	299.9	328.9	10.9	93.3	3.3	35.	
3.7	19.7	1476.9	850.0	12.9	11.5	235.3	29.9	24.6	17.0	301.0	328.2	10.1	91.2	4.7	40.	
4.3	22.0	1728.2	825.0	12.3	10-1	240.0	30.6	26.5	15.3	302.9	328.7	9.5	86.2	5.6	44.	
5 - 1	24.5	1986.3	800.0	10.7	7.8	241.6	26.9	23.6	12.8	303.7	326.7	8.4	82.3	7. 1	47.	
5.8	26.7	2250.9	775.0	9.3	8.0	241.6	27.6	24.2	13.1	304.9	329.1	. 8.7	91.5	8. 2	4 5.	
6.5	29.5	2522.7	750.0	7.5	6.4	241.6	28.2	24.8	13.4	305.8	326.4	8 • 1	92.8	9.4	51.	
7.3	32.1	2802.0	725.0	6.0	4.3	242.9	26.1	25.0	12.8	307.0	327.4	7.2	88.4	10.7	52.	
8.2	34.7	3089.3	700.0	4.2	2.5	246.1	28.3	. 25.8	11.5	308.0	326.7 .	6.6	88.5	12.2	54.	
9.1	37.2	3384.4	675.0	2.0	-0 • 1	249.5	27.0	25.3	9.5	308.6	324.9	5.7	86.6	13.6	55.	
10.0	40.0	3688-1	650.0	-0.7	-2.4	252.0	26.0	24.8	8.0	308.8	323.2	5.0	88.7	15.1	57.	
10.9	42.5	4001.1	625.0	-2.6	-5.0	253.7	28.6	27.4	8.0	310.0	322.4	4.2	83.8	16.3	50.	
11.7	45.4	4325-1	600.0	-3.1	-9.2	254.4	31.7	30.6	8.6	312.9	322.6	3.2	62.9	17. 5	59.	
12.6	48.3	4660.9	575.0	-5.5	-8.6	253.7	32.7	31.4	9.2	314.0	324.5	3.5	78.9	19.5	61.	
13.4	51.1	5008.7	550.0	-7.5	-10.7	255.7	31.0	30.1	7.7	315.6	325 - 1	3.1	77.7	21.0	62.	
14.3	54. 1	5369.5	525.0	-10.2	-19.0	259.8	31.6	31.1	5.6	316.3	321.5	1.6	48.2	22.7	63.	
15.2	57.0	5743.2	500.0	-13.5 .	-22.2	261.3	29.6	29.3	4.5	316.7	320.9	1.3	47.B	24.3	64.	
16.3	60.3	6132.3	475.0	-15.3	-26.4	258.3	29.3	26.6	5.9	319.1	322.2	0.9	38.0	26.0	65.	
17.3	63.6	6539.3	450.0	-18.0	-30.9	265.9	30.4	30.3	2.1	320.7	9.555	0.6	31.6	27.8		
18.5	66.9	6965.3	425.0	-19.3	-22.4	270.7	28.0	28.0	-0.4	324.4	327.4	1.5	76.3	29. 9	66.	
19.6	70.3	7413.9	400.0	-22.5	-25.9	272.6	24.7	24.7	-1.1	325. €	329.7	1.1	73.5	31.4	69.	
20.8	73.7	7885-1	375.0	-25.8	-29.3	283.1	20.1	19.5	-4.5	327.5	330.6	0.9	71.7	32. 8	70.	
22.0	77.5	8381.8	350.0	-29.6	-34.2	282.7	23.4	22.8	-5.1	328.9	331.0	0.6	64.0	34. 1	72.	
23. 3	81.2	8906.2	325.0	-33.5	-38.8	287.3	24.2	23.1	-7.2	330.4	331.9	0.4	58.5	35.7	73.	
24.6	85.3	9462.4	300.0	-38.6	-43.8	284.8	23.4	22.0	-6.0	331.0	331.9	0.3	57.2	37. 2	75.	
25.9	89.5	10053.6	275.0	-44.0	99.9	277.6	26.4	20.2	-3.5	331.6	999.9	99.9	999.9	38. 9	76.	
27.2	54.0	10685.7	25C.0	-49.5	99.9	275.3	24.7	24.6	-2.3	332.5	999.9	99. 9	999.9	40.6	77.	
28.6	28.6	11365.8	225.0	-55.9	99.9	275.5	24.4	24.3	-2.3	332.9	999.9	99.9	999.9	42.9		
30.2	193. 9	12102.9	200.0	-63.0	99.9	278.4	21.1	20.8	-3.1	333.0	999.9	99.9	999.9	44.8		
32.1	105.3	12912.4	175.0	-67.8	99.9	280.1	33.0	32.5	-5.8	338.1	999.9	99.9	999. 9	47.6	80.	
34.4	115.2	13877.3	150.0	-58.4	99.9	286.9	33.0	31.6	-9•6	369.5	999.9	99.9	999.9	52. 1		
37.2	122.0	15022.4	125.0	-59.1	99.9	263.7	24.8	24.7	2. 7	388.0	999.9	99.9	999.9	56.7	84.	
40.5	129.3	16424.0	100.0	-61.2	99.9	259.0	16.2	15.9	3.1	409.6	999.9	99.9	999 <b>.</b> 9	61.2		
44.5	137.7	18201.1	75.0	-63.2	99.9	292.0	8+3	7.7	-3.1	440.5	999.9	99.9	999.9	64.0	94.	
49.8	146.5	20727.3	50.0	-56.9	99.9	999.9	99.9	99.9	99.9	509.5	949.9	99.9	995.9	999• 9		
00.0	90. a	00.0	25.0	00.0	00.0	00.0	00.0	96.9	00.0	99.9	000.0	90.0	900.0	990. 9	999	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEME MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429 DAYTON. OHIO

107 155. 0 RANGE. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH AZ MIN GFM MB CG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 976.0 250.0 291.5 318.7 10.6 96.0 0 . C 0.0 7.6 298.0 14.9 14.3 6.7 2.3 0. 6.3 999.9 999.9 999.9 999. 99.9 99,9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 319.0 975.0 251.6 291.3 10.3 ie. 0. 2 7.7 306.7 14.7 13.9 5.9 5 . 6 1.9 95.0 0.0 260.5 291.5 314.8 89.7 0.4 77. 526.2 950.0 13.0 11.3 11.3 11.2 1.9 8.9 1.0 S. 8 314.9 82. 750.7 925.0 12.3 270.2 10.9 10.9 -0.0 293.0 8.3 85.3 1.2 2.0 11.7 9.9 314.5 900.0 12.9 0.5 293.7 7.8 85.6 1.6 84. 2.9 13.8 980.3 10.9 8.6 267.9 12.9 314.2 4.1 15.9 1215.1 875.0 9.6 7.1 264.4 9.4 9.3 0.9 294.8 7.3 84.0 2.6 85. 313.7 82.5 5.2 16.1 1455.6 850.0 8.3 5.5 270.5 9,5 9.5 -0.1 295.7 6.7 3.2 **85**• 1702.2 20.2 825.0 4.9 278.8 9.0 8.0 -1.2 296.7 314.6 6.6 87.3 3. 7 87. 6.2 6.8 297.1 22. 4 1954.5 800.0 3.1 277.2 6.8 6.7 -0.8 313.5 6.0 88.5 4.2 88. 7.4 4.8 2213.2 775.0 254.6 6.2 1.7 298.1 313.4 5.5 87.6 4.7 84. 8.6 24.7 3.4 1.5 6.0 86. 26.9 2479.3 750.0 0.8 241.7 10.0 P. 5 4.7 360.1 315.2 5.4 98.1 5. 2 9.8 2.6 2753.4 -0.1 725.0 301.7 316.4 89.9 83. 10.5 29.2 1.4 240.1 14.2 12.3 7.1 5.3 5. 9 304.3 31.9 700.0 -0.5 245.2 7.9 319.3 89.7 6.8 ec. 11.8 3036+4 1.0 18.8 17.1 5.3 34.2 3328.8 675.0 -1.4 247.8 306.2 320.9 90.8 78. 12.9 -0.1 22.6 20.9 8. 5 5.1 8.2 10.0 14.2 36.7 3631.2 650.0 -1.2 -2.3 247.3 25.4 23.4 9.8 308.3 322.7 5.0 91.6 76. 309.5 322.7 15.6 39.4 3943.4 625.0 -3.0 -4.2 247.2 23.9 22.0 9.2 4.5 91.9 1.2. 1 74. 17. 2 41.9 4266.5 600.0 -4.3 -5.7 252.5 23.3 22.2 7.0 311.7 324.0 4.2 89.4 14.3 74. 19.0 44.5 4601.1 575.0 -6.3 -8.2 255.5 23.4 22.7 5. 7 313.0 323.8 3.6 86.4 16.6 74. 20.5 47.3 4948.2 550.0 -6.0 -10.0 259.3 22.7 22.3 4.2 315.0 324.9 3.2 85.1 18.9 74. 21.9 50. 6 5309.1 525.0 -9.7 -11.9 262.6 25.1 24.9 3. 2 317.1 326.2 2.9 83.9 20.9 75. 23.4 53.6 5684.5 500.0 -12.0 -14.4 264.3 23.8 23.7 2.3 318.7 326.6 2.5 82.0 23.1 76. 25.0 6075.7 475.0 -14-6 -17.5 262.0 25.9 3.6 320.1 326.6 2.0 78.2 25.4 76. 56.5 26.1 26.8 60.0 6483.C 450.0 -17.5 -20.6 257.6 27.1 26.5 5.8 321.4 326.8 1.6 76.1 28. 3 77. 63.4 6909.4 425.0 -20.4 -23.6 254.0 23.4 22.5 323.0 327.4 1.3 74.8 31.0 77. 28 - 5 6.5 30.3 7355.6 400.0 -23.7 -27.3 257.4 28.0 6.3 324.3 327.7 1.0 72.0 33.5 76. 66.8 28.7 32.0 70.4 7824.3 375.0 -27.2 -31.0 255.9 27.6 26.8 6.7 325.6 328.3 0.8 69.5 36.5 76. 33.9 74.2 8317.2 35C.0 -31.2 -35.4 253.5 29.0 27.8 8.2 326.7 328.6 0.5 €5.€ 39.9 76. 35.8 78.3 8837.7 325.0 -35.8 -40.6 249.5 28.7 20.9 10.0 327.3 328.5 0.3 61.0 43.0 76. 37.6 82.4 9388.7 30C.O -40.4 99.9 248.4 26.1 24.3 9.6 328.4 999.9 99.9 999.9 46.5 75. 40.7 85.7 9975.5 275.0 -45.5 99.9 249.2 33.9 31.7 12.1 329.3 999.9 99.9 999.9 50.0 75. 42.1 91.5 10602.9 250.0 -51.1 99.9 247.9 35.4 32.8 13.3 330.1 999.9 99.9 999.9 54.4 74. 44.7 96.6 11278.5 225.0 -57.4 99.9 34.3\* 31.4 13.7 330.5 999.9 99.9 999.9 59. 7 74. 246.5 4745 102.0 12010.0 200.0 -64.6 99.9 245.1 35.4# 32.1 14.9 330.5 999.9 99.9 999.9 65.7 73. 999.9 50.4 108.0 12820.4 175.0 -62.5 99.9 271.8 36.24 36.2 -1.2 346.7 999.9 99.9 72.1 73. 99.9 99.4 99.9 150.0 99.9 59.9 99.9 99.9 99.9 ċ9.9 99.9 999.9 99.9 999.9 999. 9 999. 999.9 999.9 999.9 999. 99.9 99. 7 99.9 125.0 99.9 99.9 99.9 9909 99.9 99. 9 99.9 99.9 99.9 99.9 99.9 100.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 999.9 99.9 99.9 99.9 99.9 75.0 9909 999.9 999.9 999. 99.9 59.9 99.9 99.9 99.9 99.9 99.7 999.9 99.9 999.9 999. 99.9 99.9 50.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9

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<sup>\*</sup> PY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 433 SALEM. ILL

### 24 APRIL 1975 1505 GMT

162

16.

TIME CNTCT HEIGHT PRES TEMP CEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE AZ M/SEC DG K GM/KG PCT KM DG GPM MB DG C DG C DG WSEC MISEC DG K MIN 292.2 321.2 92.0 0.0 6.0 175.0 989+6 16.7 15.4 250.0 1.2 11.2 0.0 ٥. 3.6 3.4 1000-0 99.9 99.9 99.9 99.9 99.9 99. 3 99.9 999.9 99.9 999.9 999. 9 999. 99.9 95.9 99.9 94.0 0.2 75. 7.1 371.5 975.0 14.3 13.4 250.B 5.7 5.4 1.9 290.9 316.5 10.0 0,4 0.4 72. 11.7 240.0 2.5 291.5 315.4 9.2 92.7 1.1 9.3 521.0 950.0 12.9 5.0 4.3 7.2 81.2 0.6 64. 1.9 11.4 744.7 925.0 11.0 7.8 229.1 4.7 3.5 3.1 291.5 310.6 71.4 0.9 2.7 13.6 974.1 900.0 12.0 7.0 239.6 2.8 2.4 1.4 294.8 313.6 7.0 62. 0.9 3.5 15.6 1210.6 875.0 12.5 3.4 192.0 1.1 0.2 1.0 297.5 312.9 5.6 54.1 61. 4.4 18.1 1453.3 850.0 10.9 2.5 234.8 4.0 3.3 2.3 298.2 313.2 5.4 56.4 1.0 57 1701.7 825 -0 9.2 2.7 248.8 9.2 8.6 3.3 299.0 314.7 5.7 64.1 1.3 59. 5.3 20.5 300.4 63.8 . 1. 9 6.1 22.5 1956.4 800.0 8.0 1.6 247.3 14.0 12.9 5.4 315.3 5.4 62. 301.6 315.6 5.0 63.2 2.7 2218.0 775.0 0.1 257.2 14.8 14.4 3.3 64. 7.0 25.3 6.6 3.4 27.7 2487.2 750.0 -2.4 272.9 14.8 14.8 -0.8 303.9 316.2 4.3 53.9 69. 7.9 6.2 300.4 318.6 53.2 4.2 75. 8. 5 30.3 2765.2 725.0 5.8 -3.0 286.7 16.7 16.0 -4.8 4.2 9.5 33.0 3051.5 700.0 3.6 -3.8 288.8 19.3 18.3 -6.2 307.0 319.1 4.1 58.6 5. I 62. 78.6 10.6 25.5 3346.0 675.C 0.9 -2.4 285.8 20.0 19.2 -5.5 307.3 321.0 4.8 6.0 HO. 89.8 -2.8 281.0 19.8 19.5 -3.8 308.1 322.0 4.5 7. 2 69 1107 38.2 3648.3 650.0 -1.3 90.5 -4.2 274.0 18.7 18.7 -1.3 309.7 322.8 4.5 8.4 91. 12.7 4C.9 396C.6 625.0 -2.9 89.4 90. 13.8 43.8 4283.6 600.0 -4.6 -6.0 264.1 18.1 18.0 1.8 311.4 323.4 4.1 9.6 14.8 46.7 4617.7 575.0 -6.7 -8.3 259.0 21.1 20.7 4.0 312.6 323.3 3.6 88.5 10.7 89. 45.8 4963.8 550.0 -9.0 -10.2 258.0 24.3 23.8 5. 1 313.8 323.5 3.2 91.0 12.1 88. 15.8 315.8 324.7 2.9 89. 6 13. 9 87. 16.9 52.6 5323.3 525.0 -10.8 -12-1 259.0 26.0 25.5 5.0 325.4 87.8 15.6 et. 5697.5 -12.9 -14.5 260.2 25.9 25.6 317.6 2.3 18.1 55.7 500.0 4.4 6087.3 -15.0 -17.2 260.4 25.6 4. 3 319.6 326.3 2.1 82.8 17.4 85. 19.2 50.9 475.0 26.0 77.2 19.2 85 450.0 -17.5 -20.6 258.4 24.7 5.0 321.3 326.7 1.7 20.5 62.3 6494.5 25.2 25.8 322.2 326.3 1.2 72.7 21.3 64. 6920.3 425.0 -21.0 -24.6 262.1 3.6 21.5 65.8 26.0 327.4 75.0 23.6 -23.9 -27.1 260.0 25.2 4.5 323.9 1.0 23. 2 69.3 736567 400.0 25.6 324.8 327.0 0.7 63.9 26.0 84. 24.8 73.0 7833.5 375.0 -27.8 -32.5 260.5 27.2 26.6 4.5 326.0 327.6 0.4 58.0 28.2 A4. 26,2 76. 9 8325.8 350.0 -31.6 -37.1 263.9 26.8 26.6 2.8 258.9 5.0 327.3 328.4 0.3 56.1 30. 9 93. 27.9 80.9 8846.1 325.0 -35.8 -41.3 26.1 25.6 328.9 999.9 99.9 999.9 33.6 83. 29.7 85. 1 9397.4 300.0 -40-1 99.9 249.4 26.2 24.6 9.2 999.9 99.9 999.9 36.5 81. 89.6 10.7 329.8 31.7 9985.4 275.0 -45.2 99.9 244.2 24.5 22.1 999.9 330.0 999.9 99.9 39. 9 46. 33.9 94.6 10613.4 250.0 -51.2 99.9 246. B 30.9 28.4 12.1 999.9 43.7 79. 999.9 99,9 99.5 11289.1 225.0 -57.4 99.9 245.9 31.6 28.9 12. 7 330.6 35.9 999.9 99.9 999.9 77. 11.9 333.5 46.4 38.4 105.0 12023.4 200.0 -62.7 99.9 250.4 35.4 33.4 999.9 52. 7 78. 347.5 999.9 99.9 41.1 111.0 12850.1 175.0 -62.1 99.9 259.1 27.4 26.9 5. 2 999.9 99.9 999.9 59.1 78. 369.7 44.5 117.7 13812.6 150.0 -58.3 99.9 260.4 27.6 27.2 4.6 76. 65.5 386.7 999.9 99.9 999.9 48.4 125.5 14956.0 125.0 -59.8 99.9 262.8 27.1 26.9 2. 4 999.9 79. 999.9 72. 7 53.0 134.0 16351.9 100.0 -58.1 99.9 284.8 17.2 16.6 -4.4 415.4 99.9 76.1 79. 999.9 58.6 143.0 18128.9 75.0 -62.9 99.9 271.2 14.4 14.4 -0.3 441.1 999.9 99.9 506.5 99. 9 999.9 79.5 66.3 153.0 20656.6 50.0 -58.1 99.9 281.6 3.7 3.6 -0.7 999.9 80.

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS FLEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451 DODGE CITY, KAN

154 15. 0

													•		, ,	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPI ED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB .	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	13.5	791.0	919.3	14.4	12.8	350.0	7.7	1.3	-7.6	295.9	322. 8	10.2	90.0	0.0	. 0.	
99.9	95. 3	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	999	,
99.9	99.9	99.9	975.0	99 <b>.</b> 9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	000.9		
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	9403	999.9	99.9	999.9	999.9		
0.5	15.6	970.2	900.0	12.4	11.4	354.5	11.6	1.1	-11.6	295.5	320.6	9.5	93.9		iri.	
1.2	18.0	1206.6	875.0	11.3	10.7	354.1	11.1	1.1	-11.2	296:7	321.5	9.3	76.5		172.	
2.0	20.5	1449.6	850.0	11.5	11.0	5.8	7.2	-0.7	-7.2	299.5	325.8	9+8	96.6		174.	
2.8	22.9	1699.0	825.0	13.2	-4.2	19.2	5.6	-1.8	-5.3	303.0	312.8	3.4	29.5		178.	
3.5	25.5	1958.0	800.0	13,3	-12.0	36.3	4.8	-2.4	-3.9	305.6	311.3	1.9	16.0		181.	
4.2	28. 0	2223+ 🧖	775.0	11.8	-21.0	27.6	4.9	-2.3	-4.3	306.6	309.6	0.9	8.2		185.	
5.1	30.8	2496.6	750.0	9.9	-30.3	2.3	5.0	-0.2	-5.0	307.4	308.7	0.4	4.0		196.	
6.0	33,6	2776.5	725.0	7.3	-43.6	339.8	6.0	2.1	-5.6	307.5	307.9	0 • 1	1 • 3			
6.9	36.2	3063.6	700.0	5.0	-40.6	334.7	4.6	2.0	-4.2	308.0	308.6	0.2	2.0		191.	
7.8	39.0	3358•4	675.0	2.3	-35.3	320.3	2.5	1.6	-1.9	308.3	309.2	0.3	4 • 1		179.	
8.7	41.9	3661.6	650.0	-0.3	-30.7	264.8	2.8	2.8	0.3	308.6	310.1	0.5	7.9		178.	
9.8	44.9	3973.5	625.0	-3.0	-28-1	252.3	5.3	5.1	1.6	309.1	311.1	0.6	12.3		173.	
11.0	48.0	4294.8	600.0	-6.3	-26.6	256.9	6.7	6.5	1.5	308.9	311.3	0.7	18.0		164.	
12.0	50.8	4626.2	575.0	-9.0	-25 • 5	256.7	7.2	7.0	1.7	309.5	312.2	0.8	24.8		155.	
13.2	54.1	4968.3	550.0	-11.8	-26.0	257.9	9.7	9.6	1.7	310.1	312.8	0.8	29.6		146.	
14.4	57.1	5323,8	525.0	-13.4	-33.9	244.6	14.5	13-1	6.2	312.3	313.7	0.4	15.9		133.	
15.6	60.5	5693.8	500.0	-15.5	-37.1	239.5	18.2	15.7	9. 2	314.2	315.3	0.3	13.8		115.	
16.5	64.0	6078.8	475.0	-10.1	-39.5	246.0	20.6	18.8	8.4	315.5	316.4	0.3	13.2			
18. 1	67.3	6479.8	450.0	-21.9	-32.2	249.3	22.8	21.3	8-1	315.7	317.6	0.6	39.4	6.4	94.	
19.3	7C.9	6998.4	425.0	-24.5	-30.1	250.8	26.0	24.5	8• 5	317.6	320.1	0.7	59.3	8.2		
20.7	74.7	7337.0	400.0	-27.9	-33.2	247.9	29.5	27.3	11.1	318.8	320.8	0.6	60.0	10.3	85.	
22.0	78.7	7797.5	375.0	-31.3	-37.8	245.6	32.9	30.0	13.6	320.1	321 • 5	0.4	52.2	12.7		
23.4	82.7	8282.7	350.0	-34.7	-42.0	248.4	39.A	37.0	14.6	321.9	322.9	0.3	47.0	15-6		
25.0	A6. 7	8796.9	325.0	-37.8	-45.0	249.8	42.7	40-1	146.7	324.5	325.2	0.2	46.4	19.5	77.	
26.7	91.3	9342.7	300.0	-43.0	94.9	250.0	48.0	45.1	16.4	324.7	999.9	99.9	999.9	24.3		
28.5	95.9	9923.4	275.0	-47.4	99.9	250.9	50.3	47.6	16.5	326.6	999.9	99.9	999.9	29. 9		
30.6	100.7	10549.1	250.0	-50.8	59.9	253.9	48.5	46.7	13.4	330.6	999.9	99.9	999.9	35-8		
32.9	106.0	11226.6	225.0	-55.7	99.9	256.7	49.8	48.5	11.5	333.1	999.9	99.9	999.9	43.0	74.	
35.1	111.5	11969.9	200.0	-59.1	99.9	252.7	50.6	48.3	15. I	339.2	999.9	99.9	999.9	49.0	74.	
37.9	117.5	12805.9	175+0	-59.3	99.9	256.5	37.1	. 36.1	8.7	352.2	999.9	99.9	999.9	56+6		
41-1	124.3	13777.9	150.0	-57.7	99.9	247.6	29.8	27.6	11.3	370.7	999.9	99.9	999.9	62.7	74.	
45+2	131.3	14924-3	125.0	-58.7	99.9	245.0	27.5	24.9	11.6	368.7	999.9	99.9	999.9	69.9	73.	
49.8	138.8	16326.2	100.0	-5e.7	99.9	252.2	25.6	24.4	7.8	414.3	999.9	99.9	999.9	77.9		
55.5	146.3	19141-0	75•0	-60.3	99.9	271.9	18.4	19.4	-0.6	446.5	999.9	99.9	999.9	85.5		
63.0	154.3	20676.6	50.0	-54.0	99.9	259.3	11.7	11.5	2.2	516.4	999.9	99.9	999.9	89.2		
74.8	162.7	25144+6	25.0	-49.4	99.9	65.6	2.5	-2.3	-1.1	643.1	999.9	99.9	999.9	91.9	75.	٠.

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 456 TOPEKA, KAN

24 APRIL 1975 1420 GMT

163 10. 0

																, ,
	TIME	CHTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH.	RANGE	AZ
	MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	. M/SEC	DG K.	DG K	GM/KG	PCT	KM	DG
	0.0	6.3	268.0	977.8	18.3	16.1	140.0	7.7	-4.9	5• 9	254.9	325.9	11.9	87.0	0.0	0.
	99.9	99. 9	<b>99.9</b>	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
	0.1	6.5	292.6	975.0	17.3	14.6	143.1	8.0	-4.B	6.4	294.0	322.8	11.0	85.4	0. 1	
	0.9	8. 6	513.3	950.0	13.9	12.6	147.9	8.7	-4.0	7.4	292.6	317.9	9.7	91.9		323.
	1.8	10.5	738.1	925.0	12.2	11.2	141.8	9.6	-5.9	7.5	293.0	316.9	9.1	93.6		325.
	2.6	12.5	969.4	900.0	15.6	5.3	117.0	8.7	-7.0	4.0	298.4	315.5	6.3	50.6	1.4	
•	3. €	14.7	1209.2	875.0	. 15.0	1.5	102.5	3∙6	-6.6	1.5	300.0	313.7	4.9	40.1	1.6	
	4.6	16.6	1452.8	850.0	13.1	2.1	92•2	3.9	-3-9	0.2	360.6	315.3	5.3	47.2		307.
	5.6	18.9	1702.9	825.0	11.2	1,4	46.0	3.1	-2.2	-2.2	301.1	315.5	5.1	50.9		303.
	6.6	20.9	1959.5	800.0	. 9.7	0.9	344.7	1.3	0.3	-1.2	302.2	316.6	5. 1	54.3		299.
	7.6	23.2	2222.6	775.0	7.9	1.3	287.3	1.8	1.7	-0.5	303.0	318.4	5.5	63.2		299.
	8.7	25. 5	2492.8	750.0	6.4	-3.6	285.9	3.9	3.7	-1-1	304.0	315.3	3.9	48.9		301.
	9.7	27.7	2770.1	725.0	4.9	-7.3	298.3	7.1	€.3	-3.4	305.2	314.2	3.1	40.9		304.
	10.7	30.1	3055.4	700.0	3.7	-16.8	999.9	99.9	99.9	99.9	306.7	311.3	1.5	20.7	999.3	
	11.8	32.6	3349.3	675.0	1.3	-16-8	999.9	99.9	99.9	99.9	307.2	311.9	1.5	24.6	399. 9	
	12.9	35.2	3651.5	650.0	-1.3	-18.7	999.9	99.9	99.9	99.9	307.6	311.8	1.3	25.1	999. 9	
	14.0	37.5	3962.8	625.0	-3.5	-19.0	999.9	99.9	99.9	99.9	308.6	312.9	1.4	28.7	999.9	
	15.2	40.2	4283.9	600.0	-6.0	-22.3	256.9	14.4	14-1	3.3	309.3	312.7	1.1	26.1	1.8	
	16.5	42.7	4615.2	575.0	-9.1	-23.9	254.4	19.9	19-1	5, 3	309.5	312.5	1.0	28.7	3.2	84.
	17.7	45,4	4957.3	550.0	-11.9	-23.1	252.5	19.3	18.4	5. 8	310.0	313.5	1.1	36.9	4.7	81.
	19.1	48.4	5311.3	525.0	-15.1	-22.9	248.8	20.5	19-1	7.4	310.4	314.1	1.1	50.9	6.2	79.
	20.5	51.2	5679-2	500.0	-16.6	-23.1	251.0	25.7	24.3	8. 3	312.9	316.7	1.2	56.9	Be 1	76.
	21.7	54.3	6063.6	475.0	-18.6	-33.3	250.9	28.9	27.3	9.4	314.9	316.6	0.5	26.1	10.3	75.
	23. 3	57.1	6465.0	450 · C	-21.0	-37.5	250.6	31.2	29.4	10.4	316.8	318.0	0.3	21.8	13.0	74.
	24+8	60.4	6884.6	425.0	-24.3	-32.2	248.6	32.8	30.6	12.0	317.9	319.9	0.6	47.4	16.0	73.
	26.5	64.0	7323.1	400.0	-27.9	-34.9	249.7	31.6	29.6	11.0	318.8	320.5	0.5	50.9	19.3	72.
	28 • 2	67.3	7784.0	375.0	-31.0	-39.0	252.3	31.8	30.3	9. 7	320.6	321 • 8	0.3	44.8	22.5	72.
	30. C	70.8	8269•2	350.0	-35.4	-43.3	250.6	31.9	30 - 1	10.6	321.0	321.8	0.2	43.5	25.8	
	31.8	74.7	8781.1	325.0	-39.3	-50.0	252.5	31.2	29.8	9. 4	322.5	322.9	0.1	30.4	29.4	72.
	33.9	78.8	9323.4	300.0	-43.9	99.9	255.4	32.9	31.8	8.3	323.5	999.9	99.9	999.9	33.3	
	36.3	83. J	9902.7	275•0	-47.6	99.9	257.7	31.3	30.6	6. 7	326.2	999.9	99.9	999.9	37.7	73.
	38.7	e7.3	10526.3	250.0	-52.0	99.9	258.5	34.4	33.7	6.9	328.8	999.9	99.9	999.9	42. 8	
	41.1	92.2	11202.5	225.0	-55.8	99.9	259.3	36-6	36.0	6.8	333.0	999.9	99.9	999.9	48.0	74.
	43,6	57.2	11947.6	200.0	-59.0	99.9	257.8	37.6	36.7	7. 9	339.4	999.9	99. 9	999.9	53. 9	75.
-	46.7	103.0	12761.3	175.0	-60-1	99.9	252.9	37.5	35.8	11-0	350.7	999.9	99.9	999.9	60° 2	
	50.2	109.3	13746.2	150.0	-59.3	99.9	253.9	31.1	29.9	8.6	367.9	999.9	99.9	999.9	67.0	74.
	54.1	116.3	14667.8	125.0	-58.8	99.9	. 265.9	36.7	36.6	2.6	388.5	999.9	99.9	999 <b>.</b> 9	75. 5	75.
	58.7	124.7	16302.8	100.0	-55.3	99.9	249.5	5.9	5.6	2.1	420.5	999.9	99.9	999.9	82. 3	
	64.8	135.0	18103.7	75.0	-62.9	99.9	270.5	7.0	7.0	-0.1	441.1	999.9	99.9	999.9	87. 1	75.
	73.4	146.5	20645.7	50.0	-54.5	99.9	288.7	6.4	6.0	-2.0	515.2	999.9	99.9	999.9	91.3	75.
	86.1	160.0	25113.4	25.0	-50-1	99.9	282.6	3.8	3.7	-0.8	640.5	999.9	99.9	999.9	92, 2	76.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 466

24 APRIL 1975 1415 GMT

							1415 G	MŢ					1	53 18	• 0	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CC4P	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	, DG C	DG C	CG	4/SEC	M/SEC	M/SF C	£G K	DG K	GM/KG	PCT	KM	DG	
0.0	4.8	8.0	1012.3	18.3	13.4	999.9	99.9	99.9	99. 9	291.7	316.7	9.6	73.0	999.9	979.	
0.3	5. 5	112.8	1000.0	16.6	12.0	999.9	99.9	99.9	99.9	290.9	314.0	8.9	74.6	999, 9	999.	
1.2	7.6	327.7	975.0	14.2	11.5	999.9	99.9	99.9	99.9	290.6	313.4	8.8	83.9	999.3		
2.1	9.5	547.1	950.0	13.6	10.2	995.9	99.9	99.9	95.9	292-1	313.7	8.3	79.7	999.3		
2.9	11.8	772.9	925.0	14.5	9.4	999.9	99.9	99.9	99.9	295.2	316.6	8.1	71.5	999.9		
3.7	14.0	1004.0	<b>900</b> •0	12.4	8.6	999.9	99.9	99.9	99.9	295.4	316.4	7.9	77.6	999.9		
4.5	16.0	1240.1	875.0	10.9	7.9	999.9	99.9	99.9	ç9 <b>.</b> 9	296.2	316.8	7.7	81.5	999.9		
5.3	18.3	1492.8	850.0	11.2	5.7	999.9	99.9	99.9	ç <b>ç.</b> 9	298.7	317.3	6•8	69.0	999. 3	-	
6.2	20.5	1731.8	825.0	9.8	4.2	999.9	99.9	99.9	59.9	299.7	317.0	6.3	68.1	999. 9		
7.1	22.8	1987-1	800.0	8.2	2.8	999.9	99.9	99.9	<b>99.</b> 9	300.7	317.0	5.9	68-4	999.9		
8.1	25.2	2248.8	775.0	6.3	1.0	999.9	99.9		99.9	301.2	316.2	5.3	69.0	999.9	-	
9.0	27.4	2517.0	750.0	4.1	-0.6	999.9	99.9	99.9	99.9	301.7	315.5	4.9	71.0	999.9		
10.0	29.9	2791.9	725.0	2.1	-1.4	999.9	99.9	99.9	99.9	302+4	315.9	4.8	77.6	995.9		
11.0	32,4	3074.9	700.0	0.8	-6.1	999.9	99.9	99.9	99.9	303.8	314.2	3.6	62.0	999. 9		
12.1	35.1	3366.7	675.0	-0.2	-13.4	999.9	99.9	99.9	99.9	305+7	311.8	2.0	35.9	999.9		
13. 2	37.4	3657.9	650.0	-2.0	-15.4	999.0	99.9	99.9	99.9	300.9	312.3	1.8	35.0	999.3		
14.4	40.2	3978.3	625.0	-4.6	-18.9	999.9	99.9	99.9	99.9	307.4	311.7	1,4	31.6	999.9		
15.5	.42.7	4298.7	600.0	-6.2	-22.9	999.9	99.9	99.9	59.9	309.0	312.2	1.0	25.2	999.9		
16.7	45.6	46 30 • 3	575.0	-8.4	-24.0	399.9	99.9	99.9	99.9	310.3	313.3	0.9	26.9	999. 3		
17.9	48.4	4973.7	550.0	-11.1	-23.9	999.9	99.9	99.9	99.9	311.0	314.2	1.0	33.9	999.9		
19-1	51 - 1	5329.1	525.0	-13.7	-23.6	999.9	99.9	99.9	99.9	312.0	315.5	1.1	43.0	999.9		
20.4	54.1	5698.3	500.0	-16.2	-30.3	999.9	99.9	99.9	99.9	313.4	315.5	0.6	28.8	999.9		
21.7	57.0	6083.3	475.0	-18.6	-23.4	999.9	99.9	99.9	99.9	315.1	319.0	1.2	65.6	599.9		
23.2	€C.3	6485.5	450.0	-20.2	-22.8	999.9	99.9	99.9	99.9	318.0	322.4	1.4	79.5	999.9	2.4	
24.7	€3.6	6907.2	425.0	-22.8	-26.0	999.9	99.9	99.9	99.9	319.8	323.4	1.1	75.1	999. 9	2.5	
25.2	66.7	7349.0	400+0	-25.9	-30.3	995.9	99.9	99,9	99.9	321.3	323.9	0.8	66.3	999. 3		
27.8	70.3	7813.1	375.0	-29.7	-34.3	999.9	99.9	99.9	99.9	322,3	324.2	0.6	64.1	999.9		
29.3	73. 3	8300.9	350.0	-33.7	-37.7	999.9	99.9	99.9	99.9	323.3	324.7	0.4	66.6	999.9		- :
31.1	77.8	8815.7	325.0	-37.9	-43.2	999.9	99.9	99.9	. ç9.9	324.4	325.4	0.3	57.1	999.9		
32.9	e1.7	9361.9	300.0	-42.8	99.9	999.9	99.9	99.9	99.9	325.1	999.9	99.9	999.9	999.9		
34.9	85.9	9943.5	275.0	-47.4	99.9	999.9	99.9	99.9	99.9	326.6	999.9	99.9	999.9	999.9		
36.8	90.3	10566.4	250.0	-53.0	99.9	999.9	99.9	99.9	59.9	327.4	999.9	99.9	999.9			
38.9	95.2	11237.0	225.0	-58-1	99.9	999.9	99.9	99.9	99.9	329.5	999.9	99.9	999.9	999.9		
41.5	100-2	11974.7	200.0	-58.3	99.9	999.9	99.9	99.9	ç9.9	340.4	999.9	99.9	999.9	999.9		
43.9	105.8	12807-1	175.0	-63.4	99.9	999.9	99•9	99.9	99.9	345.4	999 <b>.</b> 9	99.9		999.9		
47.0	112.0	13742.3	150.0	-64.1	99.9	999.9	99.9	99.9	99.9	359.7	999.9	99•9	999.9			
50.9	118.9	14885.5	125.0	-55.5	99.3	999.9	99.9	99.9	99.9	394.5	999.9	99.9	999.9	999.9		
55.6	126.7	16295-8	100.0	-57•6	99.9	999.9	99.9	99.9	99.9	416.4	999.9	99.9	999.9	999. 9		
61.5	135.7	18107-1	75.0	-60.5	99.9	999.9	99.9	99.9	99.9	446.0	999.9	99.9	999.9	995.9		
69.1	144.3	20652.4	50.0	-57.0	99.9	999.9	99.9	99.9	99.9	509.3	999.9	99.9		999.9		
80-1	153.3	25093.5	25.0	-52.8	99.9	999.9	99.9	99.9	99.9	633.3	999.9	99.9	999.9	77707	7776	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 518 ALBANY. N Y

24 APRIL 1975 1415 GMT ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

156 16. 1

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.6	86.0	1001.9	11.1	5.8	160.0	7.2	-2.5	6.8	285.0	303.4	7.1	86.0	0.0	0.	
0.1	5.7	101.9	1000.0	10.8	8.2	164.3	3.5	-0.9	3.4	284.9	302.5	6.8	83.7	0.2	355.	
0.9	7.9	312e1	975.0	8.2	7.3	260.3	2.4	2.3	0.4	284.3	301.3	6,6	94.1	0.6	345.	
1.6	10.1	527.6	950.0	9.7	8.7	212.9	8.3	4.5	7.0	288.0	307.4	7.5	93.5	0.9	358.	
2.4	12.1	749.8	925.0	9.6	8.5	245.5	10.6	9.6	4.4	290.1	309.9	7.6	92.6	1.2	15.	
3.2	14.4	977.3	900.0	8.4	7.4	257.9	14.1	13.7	2.9	291.1	310.1	7.2	93.5	1.6	34.	
4.1	16.5	1211.0	875.0	9.3	8.3	263.4	14.1	14.1	1.6	294.5	315.4	7.9	93.2	2. 2	49.	
5.0	18.9	1451.8	850.0	9.0	7.6	264.6	12.8	12.7	1.2	296.6	317.4	7.7	90.9	2.8	58.	
5.9	21.1	1699.1	825.0	7.6	5.7	261.9	14.1	14.0	2.0	297.5	316.5	7+0	87.6	3,4	63.	
6.7	23.5	1952.4	800.0	5.9	3.1	259.5	14.1	13.9	2.6	298.2	314.7	6.0	82.3	4.2	66.	
7.7	25.8	2212.4	775.0	5.0	. 1.0	267.0	13.3	13.2	0.7	299.9	314.7	5.3	75.4	4. 7	67.	
8.7	28.3	2479.4	750.0	3.2	-1.9	276.0	19.3	19.2	-2.0	300.6	313.2	4.5	69.2	5.8	72.	
9.8	30.8	2753.4	725.0	1.1	-3.3	273.6	16.8	16.8	-1.1	301.2	312.9	4.1	72.6	6. 9	76.	
11.0	33.4	3035.2	700.0	0.3	-9.6	263.4	16.3	16.2	1.9	303.2	311.1	2.7	48.5	8.0	76.	
12.1	35.9	3326.7	675.0	-0.8	-15.8	255.0	17.3	16.8	4.5	304.9	310.0	1.6	30.9	9.0	78.	
13.2	38. 6	3626.7	650.0	-3.3	-16.3	254.8	18.2	17.5	4. B	305 <sub>e</sub> 5	310.5	1.6	35.7	10.3	76.	
14.4	41-1	J935.5	625.0	-5.8	-16.9	263.1	17.2	17-1	2.1	306.0	311.0	1.6	41.1	11.6	78.	
15.6	44.0	4253.9	600.0	-8.4	-22.3	269.5	18.0	18.0	0.2	306.5	309.8	1.1	31.3	12.9	79.	
16.8	46.9	4582.7	575.0	-10.9	-23.9	268.7	19.7	19.7	0.5	307.3	310.3	1.0	33.2	14.1	80.	
17.9	45.9	4922.5	550.0	-13.0	-28.0	267.3	20.3	20.3	0.9	308.8	311.0	0.7	26.9	15.4	86.	
19.2	52.7	5276.0	525.0	-15.3	-23.5	264.6	20.7	20.6	1.9	310.1	313.7	1.1	51.2	17.0	91.	
20.3	55.7	5642.7	500.0	-18.3	-20.9	260.8	22.9	22.6	3.7	310.8	315.4	1.4	80.2	18.5	91.	
21.6	58• 9	6023.6	475.0	-21.0	-22.9	258.7	26.8	26.3	5.3	312-1	316.1	1.3	84.3	20.4	61.	
23.2	62.1	6422.2	450.0	-22.5	-2544	260.2	32.9	32.4	5.6	315.1	318.6	1.1	77.2	23. 1	81.	
24.6	65.3	6840.4	425.0	-25.1	-28.7	262.7	32.6	32.3	4.1	316.8	319.6	0.8	71.9	25.9	81.	
26.0	68.7	7278.4	400.0	-27.9	-31.5	263.7	35.8	35.6	3.9	318.7	321.0	0.7	71.2	28.7	81.	
27.5	72. 1	7738.8	375.0	-31.5	-35.3	265.3	38.2	38.1	3. 2	319.9	321.6	0.5	68.6	32. 2	81.	
29.2	75.9	8223.4	350.0	-35.4	-41.7	266.4	41.2	41.2	2.6	320.9	321.9	0.3	52.1	36. 3	82.	1.0
31.1	80.0	8734.3	325.0	-39.9	-53.3	270.0	43.9	43.9	-0.0	321.6	321.9	0.1	22.0	40.9	<b>83</b>	
32.7	63.8	9277.02	300.0	-43.6	99.9	279.8	41.5	40.9	-7.1	323.9	999.9	99.9	999.9	45.0	. 84.	
34.6	88.0	9858.5	275.0	-46.4	99•9	288.4	55.9	53.1	-17.7	328.0	999.9	99.9	999.9	50.3	86.	
37.2	92.8	10485-1	250.0	-51.4	59.9	290.1	61.9*	58.1	-21.3	329.7	999•9	99.9	999.9 999.9	58.9	90.	
39.5	97.4	11160.9	225.0	-57•2	99.9	290.7	58.9*	55-1	-20.8	330.9	999.9	99.9	999.9	66. 8 74. 0	92.	
41.7	102-5	11894.6	200.0 175.0	-63•4	99.9	296.5 289.7	58.6*	52.5	-26.1 -12.1	332.4 351.0	999.9	99.9	999.9	80.4	96.	
47.4	108.3	13672.3	150.0	-60.0 -61.1	99•9 99•9	278.6	35.7* 36.8*	33.6 36.4	-5.5	364.8	999.9	99.9	999.9	87.1	96.	
51.2	121.5	14825.0	125.0	-56.6	99.9	290.5		27.4	-10.2	392.4	999.9	99.9	999.9	94.5	97.	
55.6	129.3	16244.8	100.0	-55.7	99.9	300.3	29.2* 20.9*	18.0	-10.5	420.2	999.9	99.9	999.9	99.6	98.	
61.2	138.0	18074.9	75.0	-58.8	99.9	301.2	3.0*	2.6	-105	449.6	999.9	99.9	999.9	104-1	99.	
68.6	147.0	20638.9	50.0	-56.2	99.9	69.3	8.7*	-8.2	-3.1	511.2	999.9	99.9	999.9	106.6	99.	
79.2	156.7	25116.3	25.0	-51.7	99.9	344.9	2.4	0.6	-2.4	636.4	999.9	99.9	999.9	106.4		
770 5	1000		2340	-314/	7757	J7707	614	V=0	-604	00044	77797	7707	77797			

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP WEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 520 PITTSBURG. PA

#### 24 APRIL 1975 1415 GMT

157

14. 0

TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO ŔН RANGE AZ MIN GPM DG C GM/KG PCT KK MB DG C DG M/SEC M/SEC M/SEC DG K DG K DG 94.0 359.0 968.5 250.0 292.7 0.0 8.2 15.5 14.5 5.1 4.8 1.7 320.9 10.6 0.0 С. 999.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999. 9 999. 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 523.4 950.0 999.9 99.9 99.9 99.9 294.7 325.3 11.7 98.0 999.9 999. 0.6 9.8 15.8 15.4 599. 9 999. 1.5 11.5 749.7 925.0 13.6 13.6 999.9 97.9 99.9 99.9 294.6 322.6 10.7 101.3 322.4 101.2 999.9 999. 2.4 980.7 900.0 999.9 99.9 99.9 99.9 295.6 10.1 13.8 12.4 12.4 1217.6 875.0 12.1 999.9 99.9 98.9 99.9 297.7 324.8 10.2 101.1 999. 9 999. 3.3 15.9 12.1 9.3 101.1 70. 17.9 1460.4 850.0 10.2 261.9 20.0 19.8 298.1 322.9 4.1 10.2 2.8 4. 1 4. 9 20.2 1708-8 825.0 8.4 8.0 259.4 19.2 18.9 298.6 320 · B 8.2 97.3 5.0 71. 3.5 7.8 321.1 73. 5.7 22.4 1963.5 800.0 7.2 258.8 19.1 18.7 3.7 299.9 96.9 5. 9 6.8 254.5 301.0 320.0 91.6 73. 24.7 2224.7 775.0 17.4 16.8 4.7 6.9 6.8 6.5 5.8 4.6 302.4 319.6 86.2 7.8 740 7.5 26.8 2493.1 750.0 4.6 2.5 256.0 19.5 18.9 4.7 6.2 725.0 303.1 318.9 87.0 9.2 74. 8.5 29.4 2769.1 2.7 0.7 258.4 21.4 20.9 4. 3 5.6 3052.6 75. 9.6 31.8 700.0 1.2 -1.0 261.2 21.8 21.5 3.3 304.5 319.0 5.1 84.9 10.6 10.7 34.3 3344.8 675.0 -0.5 -3.1 264.1 21.9 21.8 2. 3 305.7 318.7 4.5 82.4 12.0 76. 77. 11.9 36.7 3646.0 650.0 -2.7 -3.8 266.6 22.8 22.8 1.3 306.4 319.3 4.5 92.4 13.5 308.6 317.6 3.0 64.1 14.9 78. 12.8 39.3 3956.8 625.0 -3.7 -9.5 268.5 23.7 23.7 0.6 13.8 41.9 4278.4 600.0 -5.4 -9.2 270.4 23.1 23.1 -0.2 310.3 319.9 3.2 74.5 16.1 79. 14.5 44.7 4611.6 575-0 -7.1 -17.8 272.4 22.7 22.7 -1.0 311.8 317.0 1.7 42.4 17.5 8C. 4957.5 550.0 -37.6 275.1 23.9 23.8 -2.1 314.2 315 . 1 0.3 7.2 19.2 81. 16.1 47.6 -8.3 17.5 50.5 5317.5 525.0 -9.8 -38.5 271.8 23.7 23.7 -0.8 316.7 317.6 0.3 704 21.2 82. 23.2 83. 18.8 53.4 5692.4 500.0 -11.9 -36.3 271.5 24.5 24.4 -0.7 318.5 319.8 0.4 12.2 20.1 56.3 6083.3 475.0 -14.3 -28.0 273.8 22.4 22.4 -1.5 320.4 323.1 0.8 29.9 24.9 84. 21.5 55.6 6490.5 450.0 -17.9 -27.8 263.7 21.5 21.4 2.4 320.8 323.7 0.9 42.1 26.7 84. 23.0 6915.1 425.0 -21.3 -27.2 260-1 23. 3 321.7 324.9 1.0 58.7 28.8 84. 63.0 23.7 4.1 24.5 66.3 7359.8 400.0 -24.8 -30.3 269.2 24.5 24.5 0.3 322.8 325.4 0.8 60 · 1 31.0 84. -28.3 -33.9 277.2 -3.1 324.1 326.1 0.6 58.5 33.2 84. 25. 9 69.9 7826.2 375.0 2404 24.2 27.7 -32.5 -38.7 279.9 24.0 -4.2 324.9 326.3 0.4 53.3 35.7 86. 73.5 8316.9 350.0 24.3 29.6 77.5 8835.2 325.0 -36.2 -43.7 279.3 31.8 31 .4 -5.2 326.7 327.6 0.2 45.6 38.6 87. 999.9 31.6 9386-0 300.0 -40.2 99.9 282.9 35.8 34.9 -8.0 328.6 999.9 99.9 42.7 88. 81.5 999.9 33.6 25.9 9973.3 275.0 -45.1 99.9 274.8 43.9 43.8 -3.7 329.9 999.9 99.9 47.6 89. 999.9 999.9 35.6 90.6 12601.8 250.0 -51.2 99.9 271.3 48.0 48.0 -1.1 330.0 99.9 52. B 90. 99.9 999.9 999.9 90. 37.8 95. 3 11277.0 225.0 -57.4 99.9 272.3 46.5\* 46.5 -1.8 330.6 55.8 999.9 331.4 999.9 99.9 66.5 90. 40.4 100. 8 12009.6 200.0 -64.0 99.9 274.5 49.5\* 49.3 -3.9 99.9 999.9 71.9 42.7 106.8 12626.0 175.0 -64.4 99.9 291.6 26.2\* 24.4 -9.6 343.7 999.9 91. 999.9 45.5 113.3 13778.5 150.0 -58.0 99.9 280.2 23.7\* 23.3 -4.2 370.2 999.9 99.9 76.5 92. 49.5 120.7 14928.1 125.0 -59.0 99.9 263.7 28.7\* 28.5 3. 2 366.2 999.9 99.9 999.9 82.0 92. 999.9 -3.4 421.5 999.9 99.9 88. 9 92. 54.4 129.0 16345.2 100.0 -55.0 99.9 283.2 15.0+ 14.6 300.8 15.5 13.3 -7.9 441.5 999.9 99.9 999.9 93.5 94. 60.0 138.3 18148.6 75.0 -62.7 99.9 337.2 -4.7 510.8 999.9 99. 9 999.9 96.5 95. 67.2 146.3 20666.8 50.0 -56.4 99.9 5.1 2.0

-50.4

25.0

78.4

159.3

25114.3

4.4

4.4

-0.0

640.1

999.9

99.9

999.9

95.

95.5

270.4

59.9

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 528 BUFFALD. N Y

24 APRIL 1975 1437 GMT

•							AFRIC	19/3					*			
						1437 G	MT					1	55 26	• 0	·	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5. 5	215.0	983-1	11.7	11.7	230.0	5.1	3.9	3. 3	287.4	310.0	8.6	100.0	0.0	0.	, -
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99. 9	999.9	999.9	999.	
0.4	6.2	297.6	975.0	12.5	11.3	247.6	14.3	13.2	5.5	288.8	311.3	8.7	92.9	0.3	66.	
1.1	e. 2	506.0	950.0	12.3	12.0	246.2	14.4	13.2	5.8	290.9	315.1	9.3	97.7	0.7	67.	
1.8	10.2	73C-1	925.0	11.5	11.1	247.1	14.7	13.6	5.7	292.3	315.9	9.1	97.6	104	66.	
2.7	12.0	959.4	900.0	10.6	10.3	250.0	14.9	14.0	5.1	293.6	316.7	8.8	97.8	2.2	67.	
3.6	14.1	1194.4	875.0	9.6	9.1	257.8	15.0	14.7	3. 2	294.9	317.1	8.4	96.6	3-0	68.	
4.5	15.9	1434.9	850.0	7.6	6.8	267.6	16.3	16.3	0.7	295.1	314.7	7.3	94.3	3• 8	72.	
5.4	18.1	1680.8	825.0	6.4	5.6	265.5	15.4	15.4	1.2	296.2	315.0	7.0	95.0	4.7	75.	
6.3	20.3	1933.0	800.0	4.5	3.4	263.2	13.8	13.7	1.6	296.8	313.5	6.1	92.4	5. 5	76.	
7.2	22.3	2191.4	775.0	2.8	1.3	263.9	11.7	11.6.	1.2	297.5	312.6	. 5.5	90.2	6e l	77.	
8.2	24.6	2456.4	750.0	1.0	-0.3	269.5	11.0	11.0	0.1	298.3	312.2	5.0	91.0	6. 8	78.	
9.4	26.8	2728.9	725.0	0.2	-0.7	274.0	11.2	11.2	-0.5	300.3	314.4	5.0	94.1	7.5	79.	
10.6	29.2	3010.4	700.0	-0.6	-1.3	275.4	10.8	10.7	-1.0	302.5	316.5	5.0	94.7	8.2	81.	
11.6	31.6	3300.6	67500	-2.4	-3.2	274.8	. 11.4	11.3	-0.9	303.6	316.4	4.5	94.2	9.0	82.	
12.9	34.2	3599.8	650.0	-3.8	-4,7	268.6	12.0	12.0	0.3	305.2	317.2	4.2	93.4	9.8	83.	
14.0	36.5	3909.4	625.0	-4.9	-5.8	265.9	12.3	12.3	0.9	307.3	318.9	4.0	93.3	10.7	83.	
15.2	39.1	4230.1	600.0	-6.0	-6.9	266.0	11.4	11.3	0.8	309.6	320.9	3.8	93.6	11.5	83.	
16.5	41.7	4561.6	575.0	-9.9	-15.6	273.3	12.5	12.5	-0.7	308.6	315.0	2.1	65.2	12.4	84.	
17.5	44.5	4903-1	550.0	-11.9	-18.1	269.2	15.3	15.3	0.2	310.2	315.4	1.7	60.0	13.5	85.	
19.0	47.4	5258.4	525.0	-13.6	-15-6	265.5	10.9	18.9	1.5	312.3	317.5	1.7	65.9	. 14.7	95.	
20.4	50.3	5627.8	500.0	-16.4	-22.2	269.8	20.1	20.1	0.1	313.2	317.3	1.3	60.2	16.3	85.	
21.5	53.2	6010.7	475.0	-20.2	-36.2	269.7	22.1	22.1	0.1	313.0	315.0	0.6	36.2	18.0	86.	
23.1	56-1	6408-1	450.0	-23.5	-64.9	265.2	20.4	20.3	1.7	313.6	313.7	0.0	1.0	19.9	86.	
24.4	59.4	6824.6	425.0	-25.2	-60.9	273.0	23.3	23.3	-1.2	316.6	316.7	0.0	2.0	21.05	86.	
25. 8	€2.9	7262.9	400.0	-27.5	-62.5	278.0	25.5	25.3	-3.6	319.1	319.2	0.0	5.0	23. 6	87.	
27.4	66.3	7723.9	375.0	-31.1	~58.5	280.6	26.4	26.0	-4.9	320.3	320.5	0.0	4.8	56.0	88.	
29. 1	70.0	8209.7	350.0	-34.4	-57.4	289.7	33.5	31.6	-11.3	322.3	322.5	0.0	7 • 5	28.6	90.	
30. A	73.7	8725.2	325.0	-37.6	-55.5	290.5	38.1	35.7	-13.3	324.7	325.0	0.1	13.4	31.9		
32.4	77.7	9272.2	300.0	-41.9	99+9	282.0	42.2	41.3	-8. A	326.3	999.9	99.9	999.9	35. 7		
34. 1	81.8	9854.9	275.0	-46.7	99.9	276.8	48.1	47.8	-5.7	327.6	999.9	99. 9	999.9	40.7		
35.9	86.3	10479.0	250.0	-52.3	99.9	276.0	48.5	48.3	-5 <sub>•</sub> 1	328.3	999.9	99.9	999.9	45.8	94.	
37.7	91.2	11152.1	225.0	-57.5	99.9	276.5	54.5	54.1	-6.1	330.3	999.9	99.9	999.9	51.5		
39.9	96.4	11885.8	200.0	-62.4	99.9	285.5	52.1	50.2	-13.9	334.0	999.9	99. 9	999.9	58.0	95.	
41.9	102.0	12701.0	175.0	-62.7	99.9	283.9	41.3	40.1	~9.9	346.5	999.9	99.9	999.9	64. 3		
44.5	108.7	13662.5	150.0	-59.1	99.9	265.3	23.3	23.2	1.9	368.3	999.9	99.9	999.9	68.3		
47.3	115.5	14806-2	125.0	-59.4	99.9	274.4	33.7	33.6	-2.6	387.4	999.9	99.9	999.9	73.3	76.	
51.4	124.7	1624C.4	100.0	-53.2	99.9	298•2	31.9	28-1	-15.1	424.9	999.9	99.9	999.9	79.7		
55.6	1 35. 3	18066-8	75.0	-58.8	99.9	291.8	17.4	16.2	- e. 5	449.7	999.9	99.9	999.9	85.0	98•	
62.0	146.0	20607.0	50.0	-55.1	99.9	67.6	8+7	-8.0	-3.3	513.7	999.9	99.9	999.9	87.5		

EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 EV TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 532 PECRIA. ILL

24 APRIL 1975 1420 GMT

A20 CMT 158 15. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.6	200.0	985.8	15.6	14.0	280.0	4.1	4.0	-0.7	291.3	317.8	10.2	90.0	0.0	0.	
99.9	99.9	99.9	1000-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.3	6.5	293.8	975.0	14.9	13.6	296.1	6.3	5.6	-2.8	291.5	319.1	10,3	92, 8	0.3	87.	
1.0	8.6	513.5	950.0	` 13.1	12.6	287.0	7.9	7.6	-2.3	291.7	316.9	9.7	96.B	0.5	98.	
1.8	10.6	737.9	925.0	12.0	11.4	280.5	11.4	11.2	-2.1	292.8	316.9	9,2	96.6	1.0	100.	
2.6	12-6	967.7	900.0	11.3	10.8	277.6	10.9	10.8	-1.5	294.4	318 -4	9.1	.96.5	1.5	100.	
3.4	14.9	1203.4	875.0	10.7	10.0	278.2	9.0	8.9	-1.3	296.0	319.6	8.8	95.3	2.0	99.	
4.1	16.8	1445.5	850.0	10.1	9.5	287.6	7.1	6.8	-2.2	297.9	321.6	6.6	96.4	2.4	39.	
5.0	19.2	1693.7	825.0	8.5	7.9	295.9	6.9	6.2	~3·0	298.6	320.6	8.1	96.1	2. 7	101.	
. 5.9	21.3	1948.1	800.0	6.9	6.3	313.6	7.5	5.4	-5.2	299.5	319.9	7.5	95.9	3.1	104.	
6.9	23.6	2208.7	775.0	5.1	1.3	324.2	7.4	4.3	-6.0	300.0	315.2	5.4	76.3	3. 5	108.	
7.9	25.9	2476.6	750.0	4.9	-1.7	333.3	6.4	2.9	-5.7	302.4	315.3	4.5	62.3	3. 7	112.	
8.7	20.4	2752.8	725.0	3.5	-9.7	318.9	4.5	2.9	-3.4	303.6	311.1	2.6	· 37.6	4.9	115.	
9.7	30.9	3036.3	700.0	1.6	-18-1	295+9	. 2.8	2.5	-1.2	304.5	308.5	1.3	21.4	4.2	115.	
10.7	23.4	3328.2	675.0	-0.5	-21.4	313.6	2.3	1.7	-1.6	305.2	308 • 4	1.0	18.8	4.3	116.	
11.7	35.9	3628.6	650.0	-2.5	-22.0	276.4	1.7	1.6	-0.2	306.2	309.4	1.0	20.6	4.4	116.	
12.8	38.6	3938.4	625.0	-4.8	-19.2	253.9	1.6	1.6	0.5	307.1	311.3	1.3	31.3	4.5	115.	
14.0	41.2	4258.2	600.0	-7.1	-29.5	351.0	1.1	0.2	-1.1	308.0	309.B	0.5	14.7	4.6	115.	
15.2	44.0	4568.3	575 • 0	-9.6	-32.4	48.6	1.1	-0.9	-0.8	308.€	310.3	0.4	13.4	4.6	110.	
16.3	47. C	4930-3	550.0	-11.4	-38.2	283.3	0.6	0.8	-0.2	310.5	311.4	0.3	6.7	4. 6	115.	
17.4	50.0	5285.7	525.0	-13-7	-20.9	258.3	4.5	4.4	0.9	312.1	316.5	1.4	54.5	4.7	116.	
18.6	52. 8	5655.5	500.0	-15.8	-18.6	261.6	9.0	8.9	1.3	314.0	319.5	1.8	78.7	5.1	112.	
19.9	55.9	6041.6	475.0	-17-1	-20.5	276.6	17.3	17.2	-2.0	317.0	322.0	1.6	74.8	6. I.	108.	
21.3	50.1	6445.2	450.0	-20.0	-25.3	281.6	20.6	20.2	-4.1	318.2	321.7	1.1	62.5	7.7	197.	
22.9	62.7	6866.7	425.0	-23.2	-29.1	275.0	19.7	19.6	-1.7	319.4	322.1	0.8	58.1	9, 5	106.	
24.4	66.1	7308.4	400.0	-25.9	-33.4	263.7	24.9	24.8	2.7	321.4	323.4	0.6	48.9	11.4	102.	
26.0	69.9	7772.8	375.0	-29-0	-36.6	254.4	29.0	27.9	17.8	323.2	324.7	0.4	47.7	14. 1	98.	
27.7	73.7	8263-0	350.0	-32.6	-39.4	245.8	29.0	26.4	11.9	324 • €	326.0	0.4	5C.2	16.5	93.	
29.3	77.8	8780.1	325.0	-37.3	-43.4	245.8	31.1	28.3	12.7	325.2	326.1	0.2	52.6	19.3	89.	
31.2	82. 9	9327.1	300.0	-42.2	99.9	240.1	34.0	29.5	16.9	325.9	999.9	99.9	999.9	22.6	85.	
33.2	26.4	9909.1	275.0	-47.4	99.9	242.1	37.2	32.9	17.4	326.6	999.9	99.9	999.9	26. 4	81.	
35.5	91.4	10532.5	250.0	-52.7	99.9	243.1	37.8	33.7	17.1	327-7	999.9	99.9	999.9	31 o 3	76.	
37.6	56.5	11203.2	225.0	-58.8	99.9	245.4	46.2	42.0	19.2	328.4	999.9	99. 9	999.9	36. 7	76.	
40.2	102.0	11934.7	200.0	-61.9	99.9	252.8	40.9	39.0	12.1	334.7	999.9	99.9	999.9	43.7	75.	
42.8	108.3	12761.5	175.0	-63.1	99.9	255.6	26.4	25.6	6.6	345.8	999.9	99.9	999.9	48.8	75.	
46.2	115.0	13717.7	150.0	-60.3	99.9	266.3	28•2	28.1	1.3	366.2	999.9	99.9	999.9	55.2	76.	
50.2	122.5	14863.8	125.0	-57.1	99.9	257.3	21.9	21.4	4.8	391.7	999.9	99.9	995.9	61.0	75.	
55.3	131.0	16273.7	. 100.0	-57.3	99.9	265.1	15.6	15.6	1.3	417.0	999.9	99.9	999.9	67. 9	76÷	
61.2	125.7	19067.7	75.0	-61.5	99.9	267.2	12.9	12.9	0.6	444.0	999.9	99.9	999.9	72.6	77.	
69.3	145.0	20593.4	50.0	-58-0	99.9	264.0	1.3	1.2	0.1	506.9	999.9	99.9	999.9	74.7	77.	
61.5	156.3	2503542	25.0	-51.9	69.9	300.3	4.0	3.5	-2.0	635.7	999-9	90.3	99 9. 9	74.7	77-	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 553

#### 24 APRIL 1975 1500 GMT

163

14. 0

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GPM MB . DG C DG C DG K GM/KG PCT KM DG DG M/SEC M/SEC M/SE C DG K 0.0 7.5 400.0 964.2 -1.7 311.2 90.0 0.0 12.2 10.6 40.0 2.6 -2.0 289.4 8.4 0. 999.9 999.9 999. 99.9 99.9 59.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 0. 2 21 4. 0.4 8.3 524.6 950.0 11.5 10.7 100.7 2.9 -2.8 0.5 289.9 312.1 8.5 94.8 747.4 87.9 -0.2 290.8 312.1 95.7 0.4 241. 1.4 10.9 925.0 10.2 9.0 4.7 -4.7 801 976.1 -1.4 293.5 316.2 95.6 0.6 253. 2.2 13.3 900.0 10.6 9.9 119.9 1.6 0.8 8.6 3.2 15.5 1211.5 875.0 10.4 9.7 237.0 1.5 1.3 0.8 295.7 318.9 8.7 95.7 0.5 257. 318.9 95.2 0.4 252. 4.1 17.9 1452.8 850.0 9.2 8.5 151.3 0.7 -0.3 0.6 296.8 8.2 5.1 20.3 1699.9 825.0 10.3 -9.7 32.6 2.3 -1.2 -2.0 299.8 306.3 2.2 23.4 0.5 258. 0.6 248. 1955.6 -10.3 -1.8 301.7 308.2 2.2 23.3 6.1 22.7 800.0 9.7 40.3 2.3 -1.5 775.0 -2.0 302.7 309.3 2.2 25.8 0.8 244. 7.1 25.3 2218.2 8.0 -10.5 48.3 3.0 -2.3 8.2 27.7 2487.6 750,0 5.8 -8.3 48.6 2.5 -1.9 -1.7 303.2 311.2 2.7 35.6 1.0 241. 9.2 30.4 2763.8 725.0 3.5 -9.5 19.9 1.5 -0.5 -1.4 303.6 311.2 2.6 36.1 1.1 237. 10.2 33.1 3047.2 700.0 0.7 -9.9 323.0 1.6 0.9 -1.3 303.6 311.2 2.6 44.9 1.1 235. 11.3 35.8 3338.2 675.0 -1.7 -10.0 294.6 1.9 1.8 -0.8 304.1 311.9 2.7 53.2 1.1 229. 12.5 38. A 3637.3 650.0 -4.4 -9.8 290.8 1.8 -0.7 304.3 312.6 2.8 66.1 1.0 222. 1.9 13.7 3945.3 625.0 -6.6 +9.2 306.4 -1.0 305.0 314.0 3.1 83.0 1.0 216. 41.4 1.7 1.4 15.0 44.6 4263.0 600.0 -9.0 -13.0 274,2 2.6 2.6 -0.2 306.0 313.0 2.3 72.8 1.0 276. -11-1 -15.6 229.4 2. 3 307.3 313.3 2.0 69.0 0.8 195. 16.4 47.7 4591.4 575.0 3.6 2.7 17.7 5C. 5 4931.5 550.0 -13.0 -18.3 240.3 7.7 6.7 3.8 308.8 313.9 1.6 64.7 0.5 168. 525.0 -22.1 240.9 7.5 4.2 309.9 313.8 1.2 56.4 0.8 110. 18.9 54.0 5284.6 -15.5 5.5 252.9 7.0 2. 2 311.3 312.7 0.4 21.0 1.2 89. 20.2 57.1 5651.8 500.0 -17.8 -34.7 7.4 21.5 60.6 6033.3 475.0 -20.6 -36.7 265.2 10.8 10.7 0.9 312.2 313.4 0.3 22.2 1.9 86. 6430.7 450.0 -23.6 -43.9 268.7 15.4 15.4 0.3 313.6 314.2 0.2 13.6 3. 2 87. 23.1 64.2 425.0 -26.1 269.5 315.5 315.6 0.0 1.6 4.6 88. 6846.3 -66.6 16.5 16.5 0.1 24.6 67.7 26.2 75.4 7283.0 400.0 -28.3 -68.1 258-1 20.4 20.0 4.2 318.1 318.2 0.0 1.0 6. 3 87. -32.0 375.0 248.4 23.6 21.9 8. 7 319.2 319.7 0.1 18.7 8.6 83. 27.9 75.5 7742.6 -48.1 8225. 5 350.0 -36.1 244.2 23.3 11.3 320.1 320.8 0.2 41.8 11.2 79. 29.7 75. 3 -44.3 25.9 999.9 99.9 999.9 14.4 75. 325.0 -40-2 99.9 242.7 29.5 13.6 321.3 31.7 £4.0 8736-1 26.2 300.0 33.8 9277.4 -44.6 14.4 322.5 999.9 99.9 999.9 18.2 73. €8.6 99.9 242.1 30.8 27.2 275.0 999.9 999.9 36.0 93.6 9853.6 -49.6 99.9 241.2 29.9 26.2 14.4 323.5 99.9 22.2 71. 243.5 999.9 999.9 38.3 10469.7 27.7 324.2 99.9 26.2 69. 98. 6 250.0 -55.1 99.9 31.0 13.8 40.8 104.0 11138.5 225.0 256.0 37.9 331.3 999.9 99.9 999.9 31.4 69. -56.9 99.9 36.8 9. 2 34.3 . 8 . 3 999.9 43.6 110.2 11881.7 200.0 -57.8 99.9 256.5 35.3 341.3 999.9 99.9 37.4 71. 253.6 116.5 12727.8 175.0 -57.0 99.9 34.7 33.3 9.8 355.€ 999.9 99.9 999.9 43.4 71. 46.6 50.0 123.9 13706.9 150.0 -55.8 93.9 247.4 31.9 29.4 12.2 374.0 999.9 99.9 999.9 49.5 71. 54.2 257.0 10.4 390.8 999.9 9969 999.9 57.0 71. 131.3 14864.7 125.0 -57.5 99.9 33.6 31.9 17.1 0.3 421.1 999.9 99.9 999.9 65.3 73. 58.9 139.3 16293.5 100.0 -55.2 99.9 259.1 17.1 999.9 999.9 71.4 19117.9 75.0 99.9 246.3 19.3 8.5 449.1 99.9 72. 64.8 147.3 -59.1 21.1 -4.3 -3.2 514.5 999.9 99.9 999.9 76.5 72. 20686.0 50.0 -54.8 99.9 52.8 72.9 156.0 5.3

-49.8

99.9

51:6

25.0

165.3

86.6

25186.5

5.6

-4.4

-3.5

641.9

999.9

99.9

999.9

73.8 73.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562 NORTH PLATTE. NEB

24 APRIL 1975 1450 GMT

	144	37.	23

	TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR DG	SPEED M/SEC	U COMP	V CCMP	POT T DG K	E POT T	MX RTO GM/KG	RH PCT	RANGE	AZ DG
r, i									•							
	0.0	13.7	847.0	914.7	11.7	9.6	350.0	3.6	0.6	-3 <sub>e</sub> 5	293.3	315.1	8.3	87.0	0.0	.0.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	9990 9	
	99.9	99.9	99.9	975.0	. 99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9	
	99.9	99. 3	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
	79.0	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 5	
	0.5	15-1	982.8	900.0	11.4	7-1	999.9	99.9	99.9	99.9	294.1	313.0	7.1	74.9	999.9	
	1.3	17.3	1218-5	875.0		3.7	999.9	99.9	99.9	99.9	295.7	311.3	5.7	62.1	999.9	
:	2.0	19.7	1460.2	850.0	10.4	1.1	999.9	99.9	99.9	99.9	297.7	311.3	4.9	52.3	999. 9	
	2.8	22.0	1708-5	825.0	9.7	-1.3	310.2	6.3	4.8	-4.1	299.4	. 311.3	4.2	46.4		140.
	3.6	24.5	1963.6	800.0	e. 5	-2.0	274.2	4.3	4.3	-0.3	300.7	312.5	4.1	47.5		135.
	4.5	26.9	2225.4	775-0	6.7	-3.5	271.5	4.9	4.9	-0. I	301.5	312.5	3.8	48.1		130.
	5.3	29.5	2494.1	750.0	5.2	-5.9	274.8	8.0	7.9	-0.7	302.6	312.1	3.3	44.5		124.
	6.0	32.1	2769.6	725.0	2.8	-5.5	269.1	9.0	9.0	0.1	302.9	313.1	3.5	54.6		119.
	7.0	34.9	3052.3	700.0	0.0	-8.5	273.5	8.7	8.7	-0.5	302.9	311.3	2.9	52.7		114.
	7.8	37. 4	3342.6	675.0	-2.0	-10.8	277.7	9.2	9.2	-1.2	303.7	311.0	2.5	51.0		111.
	8.7	40.2	3641.5	650.0	-4.7	-12.2	274.8	9.4	9.4	-0-6	303.9	310 .6	2.3	55.6	3.6	
	9.8	42.9	3948.9	625.0	-7-1	-13.8	262.1	9.7	9•6	1. 3	304,5	310.8	2.1	58.8		107.
	10.6	45.8	4266.9	600.0	-8.5	-11.7	245.3	9.4	8.6	3.9	306.6	314.3	2.6	77.8	_	-
	11.8	48.9	4595.B	575.0	-10.B	-13.5	239.6	10.3	8.9	5. 2	307.6	314.7	2.3	80.3	5.0	36.
	12.8	51.7	4936.3	550.0	-13.5	- 16.6	244.1	12.1	10.9	E . 3	308.3	314.1	1.9	77.2	5. 6	94.
	13.7	55.0	5288.2	525.0	-16.6	-21.6	248.B	15.3	14.3	5.5	308.6	312.6	1.3	65.2	6. 3	91.
	14.7	58+ 3	5653.1	500.0	-19.6	-26.0	250.2	16.4	15,4	5. 6	309.2	312.1	0.9	56.5	7.2	88.
	15.9	61.3	6032.6	475.0	-21.6	-33.2	245.6	15.7	14.3	6.5	311.2	313.0	0.5	36. 9	8.3	85.
	17.2	64.7	6429-1	450.0	-24.6	-46.6	246.4	14.9	13.6	5.9	312.3	312.7	0 • 1	10.9	9.4	630
	18.5	68.0	684203	425.0	-27.9	-49.9	245.1	14.8	13.4	6.2	313.2	313.6	0.1	10.0	10.6	
	19.5	71.5	7274.8	400.0	-31.6	-52.6	237.0	17.5	14.7	9.5	313.9	314.1	/ 0.1	10.4	11.7	79.
	21.3	75 <b>.</b> 3	7728•2	375.0	-35-2	-45,5	238,5	19.7	16.A	10.3	315.0	315.6	0.2	33.7	13.3	76.
	22.8	79.3	8206.0	350.0	-38.5	-43.2	236.0	21.9	18.1	12.2	316.8	317.6	0.2	60.5	15.1	74.
	24.2	93.2	8710.9	325.0	-42.9	99.9	232.8	23,4	18.6	14-1	317.5	999.9	99.9	999.9	16.9	
	25.7	e7.2	9245.0	300.0	-47.3	99.9	235.5	23.2	19.1	13-1	318.8	999.9	99.9	999.9	18.8	70.
	27.3	91.5	9814.9	275.0	-51.8	99.9	233.6	24.8	20.1	14.7	320.2	999.9	99.9	999.9	21.1	68.
	29.1	96.4	10426.6	250.0	-56.0	99.9	232.5	26.6	21.1	16.2	322.8	999.9	99.9	999.9	23.8	67.
	31.2	101.4	11093.4	225.0	-57.7	99.9	244.5	27.7	25.0	11.9	330.1	999.9	.99•9	999.9	27.2	65.
	33.7	1 C7. 0	11839.2	200.0	-56.3	99.9	250.3	29.4	. 27.7	୍9∙ ବ	343.6	999.9	99.9	999.9	31.7	55.
	36.5	113.0	12685.8	175.0	-56.8	99.9	247.5	20.5	19.0	7.9	356.1	999.9	99.9	999•9	35.0	66.
	39.7	119.3	13669.3	150.0	-55, 2	99.9	247.0	21.2	19.5	8. 3	375.1	999.9	99.9	999.9	39. 3	66.
- j .	43, 7	126• J	14830-2	125.0	-56.5	99.9	253.1	17.3	16.6	5.0	392.6	999.9	99.9	999•9	43. 8	67.
	49.0	134.7	16247.8	100.0	-57-1	99.9	253.5	19.2	18.4	5.5	417.5	999.9	99.9	999.9	49.9	67.
	54.9	142.7	18070-4	75.0	-57.3	99.9	247.5	14.3	13.2	5. 5	452.9	999.9	99.9	999.9	56. 5	69.
	62.5	151.3	20655.3	50.0	-51.5	99.9	273.4	7.1	7-1	-0-4	521.5	999.9	99.9	999.9	62. 7	69.
	99.9	99.9	90.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	299.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 606 PORTLAND. ME

24 APRIL 1975 1415 GHT

165 16. 0

			and the same of the same													
TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCHP	POT T	E POT T	MX RTO	RH	PANGE	AZ	
MIN		GFM	MB	DG C	CC C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.3	20.0	1013.0	5.6	5.6	120.0	5.1	-4.4	2.5	278.4	292.7	5.6	100.0	0.0	.0.	
0.4	6.4	125.9	1000.0	5.3	5.3	128.5	8.6	-6.7	5.4	279.2	293.3	5. 6	100.8	0.2	297.	
1.0	8.5	332.5	975.0	. 3.8	3.8	137.9	11.2	-7.6.5	8.3	279.6	292.8	5.2	101.5	0.5	30 C.	
1.8	11.1	543.5	950.0	3.3	3.3	153.1	15.4	-7.0	13.7	281.2	294.4	5.1	101.4	1.1	314.	
2.6	13.6	760.2	925.0	3.4	3.4	999.9	99.9	99.9	99.9	283.5	297.3	5.3	10104	999.9	997.	
3.5	15.9	983.3	900.0	4.5	4.5	999.9	99.9	99.9	99.9	286.9	302.2	5.9	101.6	999. 9	909.	
4.4	18.4	1213.6	875.0.	5•3	5.3	599.9	99.9	99.9	<b>69.9</b>	290.1	307.0	6.4	101.7	999.9	99 %	
5.2	20.8	1451.0	850.0	5.1	5.1	999.9	99.9	99.9	99.9	292.3	309.7	6.5	101.7	999. 9	995.	
6.0	23.4	1695.1	825.0	4.5	4.5	999.9	99.9	99.9	99.9	294.2	311-4	6.4	101.6	999.9		
6.9	25. 8	1945.6	800.0	3.2	3.2	999.9	99.9	99.9	99.9	295.0	311.8	6.1	101.4	599 <b>.</b> 9		
7.9	28.6	2202.7	775.0	1.7	1.7	219.2	15.0	9.5	11.6	296.3	311.6	5.6	101.2	6.3		
8.9	31.3	2466.6	750.0	-0.0	-0.0	225.4	13.4	9.6	9.∙4	297.2	311.3	5.1	101.0	7.0		
9.8	34.2	2738.0	725.0	-1.3	-1.3	226.6	12.0	8.7	8.2	298.6	312.0	4.8	100.5	7. 6		
10.7	36.8	3018.1	700.0	-2.0	-2.0	227.1	10.1	7.4	6.9	300.9	314.2	4.7	100.7	8. 1	1.7•	
11.6	35.8	3306.6	675.0	~3.8	-3.9	229.4	10.2	747	ۥ6	301.9	314.0	4.2	99.0	8. 6		
12.5	42.4	3604.2	650.0	-5.7	-7.7	241.7	12.1	10.6	5.7	302.9	312.5	3. 3	85.4	9. 1	21.	
13.4	45.4	3911.0	625.0	-7.3	-9-1	256.0	13.4	13.0	3.2	304.5	313.5	<b>3•1</b> .	87.1	9.€		
14.6	48.5	422853	600.0	-9.2	-10.1	263 <u>,</u> 4	16.0	15+8	1.8.	305∙ €	314.6	3.0	92.9	10.1	29.	
15.6	51.4	4556.3	575.0	-11.7	-23.4	267-1	18.3	18.3	: 0 → 9	306.4	310.1	1 • 2	43.2	10. €		
16.8	54+6	4894.2	550.0	-15.1	-47.6	278.3	18.4	18.2	-2.7	306.2	306.5	0.1	4.3	11.5		
18.1	57.7	5244.3	525.0	-17-3	-60.9	280.6	17.7	17.4	-3.3	307.6	307.7	0.0	1.0	12.3		
19.3	61.1	5608.4	500.0	-19.2	-60.7	275.6	18.7	18.6	-1.8	309.6	309.6	0.0	1.2	13. G		
20.6	64.6	5988.4	475.0	-21.2	-63.4	277.5	21.7	21.5	-2.8	511.7	311.8	0.0	1.0	14.2		
21.9	68.0	6385.2	450.0	-23.7	-65.0	283.1	26.2	25,5	-6.0	313,4	313.5	0.0	1.0	15. 3		
23.1	71.4	6801.5	425.0	-25.9	-66.5	279.9	31.3	30.9	<b>≁5•</b> ♦	315.7	315.8	0.0	1.0	17-1		
24.4	75.3	7237.4	400+0	-29.6	-68.9	275.1	30.2	30.1	-2.7	316.5	316.5	0.0	1.0	19.3		
25. 9	79.2	7694.6	375.0	-33.2	-61.0	277.5	30.2	30 <b>.</b> 0	-3.9	317.6	317.7	0.0	4.2	21.7		
27.5	83.2	8175.4	350.0	-37.6	-55.9	283.4	26.2	25.4	-6.1	318.0	318.2	0.1	12.7	24.0		
29.2	67.2	8681.8	325.0	-41.8	99.9	286.6	31.6	30.2	-9,0	319.0	999.9	99•9	99 9. 9	26, 4		
31.0	91.7	9218.6	300.0	- 46.5	99.9	284.2	41.4	40.1	-10.2	319.9	999.9	99•9	999.9	30. 1	81.	
32.9	96.2	9790.4	275.0	-51.0	99.9	287.9	41.3	39, 3	-12,7	321.4	999.9	99.9	999.9	34.5		
35.0	101.0	10404.6	250.0	-54.4	99.9	292.8	39.9	36.8	-15.5	325.2	999.9	99.3	999.9	38. 9		
37.0	106.3	11073.4	225.0	-58.6	99.9	297.7	36.1	31.9	-16.8	328.7	999.9	99.9	999.9	43.0		
39.4	111.8	11809.0	200.0	-60.7	99.9	295.3	32.0	29.0	-13.7	336.6	999.9	99.9	999.9	47.4		
42.5	117.5	12639.6	175.0	-59.7	85.9	279.7	27.9	27.5	-4.7	351.4	999.9	99.9	999.9	53.1	94.	
46.0	124.3	13615.6	150.0	-54.5	99.9	289-1	27.7	26.2	-9.1	376.1	999.9	99.9	999.9	59. 8		
50.3	131.3	14787.6	125.0	-54-6	99.9	284.0	18.8	18.2	-4.5	396.1	999.9	99.9	999.9	64.9		
55.3	139.0	16215.3	100.0	-54.9	99.9	296.3	16.4	14.7	-7.3	421.6	999.9	99.9	999.9	70. 8		
61.3	147.0	18045.4	75.0	-55-1	99.9	295.5	10.9	9.5	-4.7	457.5	999.9	99.9	999.9		100.	
69.5	156.0	20643.3	50.0	-53.8	99.9	338.0	1.9	0.7	-1.7	516.6	999, 9	99.9	999.9		100.	
61.9	165.5	25120.3	25.0	-49.9	99.9	102.2	9.5	-9.3	2.0	641.5	999.9	99.9	999.9	76. 5	101.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPCLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 637 FLINT WICH

24 APRIL 1975 1515 GMT

162 14. 0

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TIME	CNTCT	HEIGHT	PRES	TEPP	DEW PT	DIR	SPEFD	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.2	236.0	982.1	9.4	6.7	20.0	3.1	-1.1	-2.9	284.8	301.0	6.3	83.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9.	99.9	99.9	99.9	999.9	99. 9	999.9	999. 9	999.
0.2	6.7	296.2	975.0	. 8•5	4.8	17.8	3.0	-0.9	-2.9	284.1	295.6	5.5	78.9		260.
0.9	€. 7	510.1	950.0	6.1	4.7	22.2	3.6	-1.4	-3.5	284.1	298.8	5.6	90.4	.0.3	191.
1.6	10.3	728.4	925.0	4.5	4.0	29.7	4.4	-2.2	-3.8	284.7	299.0	5.5	96.1	0.5	199.
2e 5	12.0	951.9	900.0	6.5	6-1	323.2	4.9	3.0	-4.0	289.1	306.4	6.6	97.5		179.
3.3	15.2	1184-9	875.0	8.5	6.1	295.6	8.1	7.3	-3.5	293.5	311.5	6.8	84.7	0.8	173.
4.1	17.4	1424.9	850.0	8.0	4.8	292-1	7.9	7.4	-3.0	295.4	312.6	6.4	80.2		153.
5.0	19.8	1671.6	825.0	7.9	4.5	285.6	7.5	7.2	- 2. 0	257.8	315.4	6.4	78.6		142.
5.9	21.9	1925.1	800.0	6.1	2.7	281.4	7.9	7.7	-1.6	298.4	314.4	5 • 8	78.8		134.
6.9	24.4	2185.5	775.9	5.8	-0.5	268.1	9.7	9.7	0 • 3	300.7	314.1	4.8	64.1		125.
7.9	26.6	2453.7	750.0	4.6	-4.5	271.3	11.2	- 11.2	-0.3	302.0	312.5	3.6	51.4	2. 7	116.
6.9	29. 1	2729.0	725.0	3.0	-10.4	. 274,1	10.0	10.0	-0.7	303.1	310.2	2.4	36.4		112.
9.9	31.7	3012.5	700.0	1.4	-15.6	269.3	8.6	8.6	0.1	304.2	309.2	1.6	26.9		109.
10.9	34.3	3304.3	675.0	-0.2	-20.3	270.5	8.0	8.0	-0.1	305.5	309.1	1.1	20.2		197.
11.9	36.8	3605.5	650.0	-1.6	-26.1	277.3	8.8	3.8	-1.1	307.2	309.4	0.7	13.4		106.
13.0	39.6	3916.9	625.0	-3.1	-28 • 1	271.0	12.4	12.4	-0.2	308.9	310.9	0.6	12.4	5.5	
14-1	42.2	4238.6	600.0	-5.4	-29.9	265.7	13.2	13.2	1.0	309.9	311.7	0.5	12.4		102.
15.2	45.1	4570.7	575.0	-8.1	-31.9	265 <sub>9</sub> 7	11.5	11.4	0. 9	310.5	312.0	0.5	12.6	7.1	100.
16.3	48.1	4913.6	550.0	-11.4	-34.3	266.6	10.7	10.7	0.6	310,6	311.9	0.4	12.9	7.9	99.
17.6	51.0	5268.7	525.0	-13.5	-37.1	260.4	11.5	11.4	1.9	312.1	313.2	0.3	11.6	8e 6	97.
18.5	54.1	5638.7	500.0	-14.6	-3868	261.0	13.9	13.7	2.2	315.3	316.2	0.3	10.6	9•5	96.
20.2	5701	6025.5	475.0	-17.1	-40.5	269.5	15.2	15.2	0.1	316.8	317.6	0.2	10.9	10.7	94.
21.6	6C. 5	6429.0	450.0	-19.5	-41.1	269.6	17.8	17.8	0.1	318.7	319.5	0.2	12.6	12.1	94.
23.1	64.0	6851.5	425.0	-22.3	-42.7	274.9	19.4	19.3	-1.6	320.4	321.1	0.2	13.5	13.9	940
24.7	67.5	7294.1	400.0	-25.8	-43.2	282.2	22.2	21.7	-4.7	321.4	322.2	0.2	17.5	15e 7	75.
26.1	71.0	7757.9	375.0	-29.8	-44.2	276.5	22.7	22.6	-2.6	322.1	322.8	0.2	53.1	17.7	95.
27.8	75. 0	8246.6	350.0	-32.7	-38.7	264.1	27.9	27.8	2.9	324.6	325.9	0.4	-5.4	20.0	95.
29.5	79.2	<b>8764.3</b>	325.0	-36.9	-43.1	264.1	33.7	33.5	3 <sub>0</sub> 5	325.7	326.7	0.3	52.0	23. 1	93.
31.3	<b>83.</b> 3	9313.4	300.0	-41-1	99.9	261.1	38.7	38.3	6.0	327.5	999.9	99.9	999.9	27.1	92.
33 • 3	67.8	9897.8	275.0	-46.6	99.9	256.5	39.8	38.7	9.3	327.€	999.9	99•9	999.9	31.6	89.
35.5	<b>92.</b> 8	10523.6	250.0	-51.4	59.9	254.1	46.8	45.0	12.8	329.7	999.9	99.9	999.9	37. 2	<b>97.</b>
37.6	97.8	11199.9	225.0	-57.0	99.9	250 <sub>0</sub> 0	· 46.5	43.9	15.2	331.2	999.9	99.9	999.9	43.2	85.
40.0	103.3	11936.9	200.0	-61.9	99.9	256.2	50.5	49.0	12.0	334.7	999.9	99.9	999.9	49.8	83.
42.6	109.7	12757.4	175.0	-63.0	99.9	271.8	34.0	34.0	-1-1	346.0	999.9	99.9	999.9	56 <b>.</b> 8	94.
45.6	116.0	13718.0	150.0	-57.1	99.9	268.2	23.8	23.8	0.7	371.8	999.9	99.9	999.9	61.9	84.
49.4	124.0	14877.2	125.0	-56.4	99.9	261.3	25.8	25.5	3.9	392.9	999.9	99. 9	999.9	67.1	84.
53.8	132.5	16297.9	10C.0	-54.7	99.9	265.6	25.8	29.8	2 • 3	422.1	999.9	99.9	999.9	74.3	84.
59.6	141.7	181 35. 9	75.0	-56.9	99.9	285.1	14.3	13.8	-3.7	453.8	999.9	99.9	999.9	82. 3	86.
67.0	151.7	20691.3	5C.O	-55.5	99.9	302.2	7.41	6.0	-3.8	512.9	999.9	99.9	999.9	86.0	86.
78.8	162.5	25161.1	25.0	-50.2	59.9	98.5	0.7	-0.7	0.1	640.5	999.9	99.9	999.9	86.4	87.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645 GREEN BAY. WIS

24 APRIL 1975

415 GMT 151 31. 0

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TINE	CNTCT	HEIGHT	PRES	TEMP	DEN PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	S.A.
MIN		GPM	MB	DG C	DG C	, DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.4	210.0	987.8	:6.1	1.1	20.0	4.1	-1.4	-3.9	280.8	291.7	4.2	70.0	0.0	0.
99.9	99.3	99.9	1000-0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	999.
0.5	7.6	317.0	975.0	5.3	1.2	15.0	4.8	-1.2	-4.7	281.1	292.2	4.3	74.5		
1.3	5.6	528.6	950.0	3.1	1.2	14.7	5.1	-1.3	-4.9	280.9	292.3	4.4	87.0	0.3	193.
2.2	11.3	744.2	925.0	1.3	0.4	20.8	6.4	-2.3	-5.9	281.2	292.3	4.3	94.0	0.6	1946
3.0	13.4	964.4	900.0	-0.3	-0.9	√ 26•2	7.3	-3.2	-e.5	281.7	292.1	4.0	95.3	1.0	198.
3.9	15.4	1189.9	875.0	-0.2	-6.2	17.1	6.0	-1.8	-5.7	284.0	291.5	2.8	65.2	1.3	230.
4.8	17.4	1423.4	850.0	3.0	-11-2	1.5	5.9	-0.2	-5.8	269.5	295.0	1.9.	34.2	1.6	198.
5.7	19.6	1665.9	825.0	4.0	-8.2	354.9	5.1	0.5	-5.1	293.1	300.2	2.5	40.5		1950
6.7	21.5	1916.0	800.0	4.1	-7.3	317.4	4.0	2.7	-2.9	295.8	303.7	2.8	43.1	. 5° 1	
7.6	23.8	2173.9	775,0	2.9	-9.1	313.5	6.4	4.7	-4.4	297.3	304.5	2.5	41.0		185.
8.6	25. 9	2439.6	750.0	3.4	-28.6	314.2	6.3	4.5	-4.4	300.4	301.9	0.5	7. 3	2.6	178.
9.6	28 • 1	2713.5	725.0	2.0	-29.5	295.6	7.3	6.6	-3.1	301.7	303.2	0.5	7.5	2. 5	172.
10.6	30.5	2995.4	700.0	-0.1	-30.8	281.4	9.3	9.1	-1.8	302.4	303.8	0.4	7.7	3.1	163.
11.7	32.9	3285.3	675.0	-1.8	-31.9	275.8	10.2	10.1	-1.0	303.6	304.9	0.4	7.8	3.4	154.
12.9	35.3	3584.8	650.0	-3.4	-32.9	274.0	9.8	9.8	-0.7	305.1	306.3	0.4	8.0	3• 8	144.
14.0	37.7	3893.3	625.0	-6.0	-34.6	277.4	8.9	8.8	-1.1	305.6	306.7	0.3	6.5	4.2	136.
15.1	40.3	4211.3	600.0	-8.6	-36.3	281.1	8.2	8.1	-1.6	306.1	307.1	0.3	8.5	4.7	134.
16.4	42.8	4539.3	575.0	-11-1	-38.0	281.5	9.3	9.1	-1.9	307.0	307.8	0.2	8.7	5. 2	1.30.
17.6	45.6	4879.3	550.0	-13.3	-39.4	282.2	12.1	11.9	-2.6	306.3	309.1	0.2	8. 9	5.9	126.
18.3	48.4	5231.9	525.0	-15-8	-41-1	281.8	13.9	13.6	-2.8	309.4	310.1	0.2 .	9. 2	6. 9	123.
20.2	51.i	5597.7	500+0	-18.4	-42.9	276.5	14.9	14.8	-1.7	310.6	311.2	0.2	9.4	7.9	120.
21.5	54.1	5978.4	475.0	-20.9	-44.7	269-1	16.3	16.3	0.3	312-1	312.6	0.1	9.6	9. 0	116.
22.9	57.0	6376.9	450.0	-22.2	-45.6	270.7	20.2	20.2	-0.2	315.3	315.9	0.1	9.5	10.4	112.
24.3	60.3	6794.5	425.0	-25.3	-47.8	276.9	23.0	22.8	-2.8	316.5	316.9	0.1	1.0 - 1	12.2	110.
26.0	63.7	7231.4	400.0	-29.0	-50.5	279.8	24.9	24.6	-4.2	317.2	317.6	0.1	10.4	14.5	108.
27.6	67.3	7689.8	375.0	-32.2	-49.5	281.1	28.2	27.6	-5.4	316.9	319.3	0.1	15.9	17.1	107.
29.3	70.4	8173-1	350.0	-35.9	-48.3	277.8	30.6	30.3	-4.1	320.2	320.7	0.1	26.4	20 · j	106.
31.1	74.3	8683.4	325.0	-39.9	99.9	269.9	29.5	29.5	0.0	321.6	999.9	99.9	999.9	23. 4	104.
33.0	78.3	9225.6	300.0	-43.5	69,9	261.4	34.9	34.5	5.2	324.0	999.9	99.9	999.9	26.7	102.
35.0	82.5	9805.4	275.0	-47.9	99.9	252.6	43.6	41.6	13.1	325.9	999.9	99. 9	999.9	31.0	90.
37.1	86.8	10428.2	250.0	-52-1	99.9	244.4	49.8	44.9	21.6	328.6	999.9	99.9	999.9	36.1	93.
39.B	91.8	11103.1	225.0	-56.7	99.9	248.3	53.2	49.5	19.7	331.7	999.9	99.9	999.9	43.5	88.
42.3	57.0	11844.1	200.0	-59.8	99.9	259.3	41.9	41.2	7.8	338.0	999.9	99•9	999.9	50.7	96.
45-1	102.8	12580.8	175.0	-56.9	99.9	263.8	28.5	28.4	3-1	356.0	999.9	99.9	999.9	56.1	86.
48.1	109.3	13655.5	150.0	- 57.2	99.9	262.1	25.8	25.5	2. 5	371.6	999.9	99.9	999.9	61.2	86.
51.8	116.7	14815.4	125.0	-54.8	99.9	265.7	25.6	25.5	1.9	395.8	999.9	99•9	999.9	66. 9	86.
56.1	125.7	16250.6	100.0	-53.2	99.9	259.0	26.4	25.9	5.0	424.9	999.9	99.9	999.9	73.0	86.
61.5	136.0	18099.3	75.0	-5609	99.9	286.1	19-1	18.4	-5. 3	449.3	999.9	99•9	999.9	80.2	85.
69.0	147.0	20680.9	50.0	-52.4	99.9	345.3	1.4	0.4	-1.4	520.0	999.9	99.9	999.9	84.0	85.
99.9	99. 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654

	24 APRIL 1975	
	1415 GMT	

	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	9.4	0.505	966.1	7.8	5.6	180.0	3.1	0.0	3.1	284.5	299.8	5.9	86.0	0.0	0.	
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
	99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
	0.5	10.8	531.2	950.0	8.2	6.2	174.2	8.0	-0.8	7.9	286.3	302.6	6.3	87.5	0.2	0.	
	1.3	13.2	751.4	925.0	7.5	4.5	177.7	9.0	-0.4	9.0	287.7	302.8	5.7	81.3	0.5		
4	2.0	15,5	976.8	900.0	5.8	4.5	176.1	8.5	-0.6	8.5	288.3	303.8	5.9	91.4	0. 9	358.	
	2.8	17.8	1207.2	875.0	4.5	4.2	184.3	6.4	0.5	6.4	289.2	304.8	5.9	98.0	1.3		
•	3.8	20.3	1443.5	850.0	3.9	3.7	208.2	6.4	3.0	5.6	291.0	306.6	5.9	98.6	1.6	0.	
	4.6	22.6	1687.9	825.0	6.9	2.3	245.9	8.6	7.8	3.5	296.6	311.7	5.5	72.7	.1.9	8.	
	5+5	25.2	1941.0	800.0	6.1	0.9	254.8	7.6	7.3	2.0	298.3	312.5	5.1	69.0	2. 1	19.	
	6.4	27.7	2200.7	775.0	4.6	-0.0	265.4	9.4	9.3	0.7	299.3	313.1	4.9	72.1	2.4	29.	
	7.2	30.3	2467.5	750.0	3.1	-2.0	254.1	8.4	8.0	2 • 3	300.5	312.9	4.4	69.1	2.7	37.	
	8.1	33.1	2741.9	725.0	1.5	-4.0	245.2	7.7	6.9	3. 2	301.6	312.9	3.9	66.6	3.0	41.	
	9.1	35.7	3023.5	700.0	-1.0	-5.2	241.8	7.7	6.6	3.7	301.9	312.6	3.7	72.8	3. 5	43.	
	10.0	38.4	3313.0	675.0	-3.2	-4.3	242+4	8.0	7.1	3.7	302.6	314.4	4.1	91.5	3. 9	45.	
	11.0	41.1	3610.9	650.0	-5.5	-7.3	241.3	9.3	8.2	4.5	303.1	313.0	3.4	87.5	4. 3	47.	
	11.9	44.0	3917.5	625.0	-7.9	-9.1	244.4	10.0	9.0	4.3	303.7	312.7	3.1	91.4	4. 9	49.	
	13.1	47. 0	4233+6	600.0	-10.4	-13.0	251.4	9.9	9.4	3.1	304.3	311.3	2.3	81.2	5.5	51.	
	14.1	50. l	4560.4	575.0	-12.7	-15.6	254.4	10.1	9.7	2.7	305.4	311.3	2.0	78.7	6. 1	53.	
	15.3	53.1	4898.3	550.0	-15.2	-22.7	246.7	10.4	9.6	4.1	306.2	309.7	1.1	52.4	6. B	56.	
	16.4	56.0	5248.4	525.0	-17.4	-24.9	237.8	9.8	8.3	5.2	307.6	310.6	1.0	51.6	7.5	56.	
	17.8	59.4	5612.2	500.0	-20.3	-26.9	227.0	10.8	7.9	7.4	308.3	311.0	0.8	55.4	8.3	56.	
	19.1	62.9	5990.1	475.0	-23.2	-32.6	224.8	12.5	8.8	8.9	309+3	311.0	0.5	41.7	9.3	55.	
	20.5	66. l	6383.7	450.0	-26.1	-33.0	234.0	11.5	9.3	6.7	310.4	312.2	0.5	51.9	10.2	54.	
	21.8	65.7	6795.1	425.0	-28.6	-49.7	248.4	13.0	12.1	4.8	312.2	312.7	0.1	15.2	11.1	54.	
	23.2	73.2	7226.5	400.0	-31.8	-43.2	247.7	16.9	15.6	6.4	313.7	314.4	0.2	31.1	12. 3	56.	
	24.8	77.2	7679.7	375.0	-35.2	-48.3	241.7	21.5	15.9	10.2	314.9	315.4	0.1	24.6	14.1	57.	
	26.3	80.9	8157.5	350.0	-38.3	-6404	244.4	25.8	23.3	11.2	317.0	317.1	0.0	4.9	16.4	58.	
	28.0	ē5• 1	8662.4	325.0	-42.7	99.9	246.8	24.5	22.5	9. 7	317.8	999.9	99.9	999.9	16.9	59.	
	29.8	39. 4	9157.7	30C.0	-46.9	99.9	244.2	27.9	25-1	12.2	319.3	999.9	99.9	999.5	21.7	60.	
	31.7	94-0	9768.3	275.0	-51.6	59.9	242.8	26.8	23.8	12.2	320.6	599.9	99.9	999.9	24.8	50.	
	33.6	98.8	10380.7	250.0	-56.2	99.9	243.6	27.6	24.7	12.2	322.5	999.9	99.9	999.9	27.9	61.	
	35.7	103.9	11045.3	225.0	-58.4	99.9	241.6	30.0	26.4	14.3	329.0	999.9	99.9	999.9	31 • 6	61.	
	38.4	109.5	11790.1	200.0	-54.9	99.9	256.7	24.0	23.3	5.5	345.8	999.9	99.9	999.9	36• 2		
	41.4	115.4	12642.0	175.0	-55+3	99.9	242.0	22.0	19.4	10.4	358.7	999.9	99. 9	999.9	40.0	62.	
	44.7	122.0	13626.9	150.0	-54.2	99.9	246.0	22.7	21.0	8.5	376.7	999.9	99.9	999.9	44. 7		
	48.6	129.0	14794.2	125.0	-54.2	99.9	257.2	22.3	21.8	4.9	396.9	999.9	99.9	999.9	5C• 1	63.	
	53.4	136.7	16232.6	100.0	-53.7	99.9	269.8	19.4	19.4	0-,1	423.9	999.9	99.9	999.9	55.3	65.	
	59.4	144.3	18094.8	75.0	-52+6	99.9	204.4	11.4	4.7	10.4	462.7	999.9	99.9	999.9	60.4	66.	
	67.3	152.7	20698.5	50.0	-52•6	99.9	254.8	5.1	4.9	1.3	519.5	999.9	99.9.	999.9	62.3	64.	
	78.9	161.0	25203.8	25.0	~50 <sub>•</sub> 5	99.9	999.9	99.9	99.9	99+9	639.5	999.9	99.9	999.9	999.9	993.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETREEN & AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATEON NO. 655 ST CLOUD. MINN

24 APRIL 1975 1430 GMT

						~~	ALU IL	17/3							
							1430 G	MT					10	60 18.	• 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ÁŽ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.3	316.0	978.7	6.8	. 4.3	80.0	3.6	-3.5	-0.6	282.4	296 • 1	5.3	84.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
0.1	6.6	347.2	975.0	6.5	4.3	99.4	3.6	-3.6	0.6	282.4	296-1	· 5 · 3	85.6	0. 1	31.7.
0.7	8. 6	560.1	950.0	4.8	4.0	113.5	4.4	-4.0	1.7	282.8	296.7	5-4	94.1	0.3	265.
1.3	10.6	777+1	925.0	2.9	2.8	91.i	5.3	~5.3	0. 1	282.9	296 • 1	5• i	100-1	C. 4	272.
1.9	12.7	998.7	900.0	1.5	1.5	95•8	6.9	-6.9	0.7	283.7	296.1	4.8	102-1		269.
2.5	14.9	1226.4	875.0	2.5	1.3	114.3	6.5	-5.9	2,7	287.0	299.7	4.8	91.6		274.
3, 3	17.0	1461.1	850.0	2.0	-1.3	104.4	5.3	-5.1	1.3	288.8	299.9	4.1	78.8		279.
3.9	19-3	1702.2	825.0	1.2	-1.6	99.7	5.6	-5.6	1.0	290.4	301.6	4 • 1	81.5		278.
4.7	21.4	1949.4	800.0	-0.1	-2.4	116.5	2.4	-2.2	1.1	291.5	302.6	4.1	85.2		279,
5.4	23. 8	2203.8	775.0	1.7	-18.7	309.9	2.0	1.6	-1.3	295.8	299.2	1 • 1	20.3		290.
6.2	26.0	2468.3	750.0	1.9	-18.7	308.3	3.4	2.7	-2.1	298.7	302.3	1.2	19.9		276.
6.9	26.5	2740.6	725.0	-0.4	-19•♀;	298.9	- 4 • 3	3.8	-2.1	299.1	302.5	1.1	21.2		272.
7.7	31.0	3020.2	700.0	-2.0	-22.1	- 292.0	5.1	4.8	-1.9	300.4	303.3	0.9	19.6		268.
8.6	33. 7	3308.3	675.0	-4.4	-10.7	283.4	5.1	5.9	-1.4	301.1	308.4	2.5	61.6		261.
9.5	36 <b>.</b> 1	3604.6	650.0	-6.3	-12.8	273.0	6.0	6+0	-0.3	302	308.5	2.2	59.9		248.
10.3	38.3	3910.5	625.0	-8.0	-18.3	276.1	3.5	3.5	-0.4	303.4	307.9	1.4	43.3		223.
11.3	41.3	4226.5	600.0	-9.9	-41.6	10.7	5.0	-0.9	-4.9	304.6	305.2	0 • 2	5 <sub>0</sub> 4		206.
12.3	44.2	4553.1	575.0	-12.6	-34.8	317.2	3.8	2.6	-2.8	305.2	306.3	0.3	1 3. 6		198.
13.3	47-1	4890.3	550 00	-15.5	-30.9	280.5	11.6	11.4	-2.1	305.7	307.4	0.5	25.2		177.
14.3	50. l	5240.1	523.0	-17.7	-36•1	275.7	24.8	24.7	-2.5	307.1	308.2	0.3	18.3		125.
15.4	53.1	5603-1	500.0	-20.6	-35.1	282.5	20 a 7	20.2	-4.5	307.9	309.2	0.4	25.7		110.
16.5	56.0	5980.9	475.0	-22.6	-41.1	282.6	12.2	11.9	-2.6	310.0	310.7	0.2	16.6		109.
17.7	59.4	6375+5	450.0	-25.5	-49.4	291.0	11.6	10.8	-4.3	311.2	311.5	0.1	8.5		108.
19.0	62.9	6737.7	425.0	-28.6	-52.2	298.4	14.2	12.5	-6.7	312.4	312.6	0.1	3.1		110.
20.3	66.3	7218.5	400.0	-32.4	-54.3	287.3	16.3	15.6	-4+8	312.8	313.1	0.1	9.2		110.
21.7	70.0	7669.5	375.0	-36.7	-54+5	200.3	14.8	14.6	-2.6	313.0	313.2	0.1	13.6		109.
23.2	73.7	8143.5	350.0	-40.8	99.9	271.3	18.2	18.2	-0.4	313.7	999.9	99.9	999.9		107.
24.7	77.3	8643.1	325.0	-45.0	99.9	266.0	25.7	25.6	1.6	314.7	999.9	99. 9	999.9	11.7	
26.5	81.9	9174.9	300.0	-47.6	99.9	264.5	27.9	27.8	2.7	318.2	949.9	99.9	999.9	14.7	
28 • 5	E6.0	9744.9	275.0	-50.8	99.9	261.9	28.1	27.9	4.0	321.6	999.9	99.9	999.9	17.7	
30.6	91.0	10360-5	250.0	-54.8	99.9	252.4	30.7.	29.3	9.3	324.7	999.9	99.9	999.9	21.4	94.
32.0	95.8	11027.9	225.0	-58.4	99.9	250.4	34.7	32.7	11.7	329.0	999.9	99•9	999.9	25.4	89.
35. 5	101.3	11769.4	200.0	-58.3	99.9	256.5	26.3	25, 5	6. 1	340.5	999.9	99. 9	999.9	30.4	97.
38.5	107.5	12609-6	175.0	-58.5	99.9	247.5	26.7	24.7	10.2	353.4	999•9	99.9	999.9	34.6	56.
42.0	114.0	13588.8	150.0	-52.8	99.9	257-6	22.3	21.7	4.8	379.0	999.9	99.9	999.9	40.4	85.
45. 9	121-7	14758-2	125.0	-55.1	99.9	258.8	22.3	21.9	4. 3	395.2	999.9	99.9	999.9	45.0	84.
50.6	130.0	16189.9	100.0	-52.4	99.9	268.4	15.3	15.3	0.4	426.5	999.9	99.9	999.9	49. 9	84.
56. 3	139.5	18048-6	75.0	-54.4	99.9	250.1	18.5	17.7	6.4	458.8	999.9	99.9	999.9	55.7	82.
63.5	150.0	20625.4	50.0	-56.2	99.9	246.0	4.6	4.2	1.9	511.0	699.9	99. 9	999•9	59. 0	82.
74.7	161-5	25116.1	25.0	-52.5	99.9	351.7	6.5	0.9	-6.4	634.0	999.9	99.9	999.9	59. 6	84.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 662 RAPID CITY. S D

## 24 APRIL 1975 1415 GMT

155 13. 0

								1413 0						•	. ,	
	TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE AZ	
	MIM		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM DG	
	0.0	15.6	966.0	900.1	6.3	4.7	120.0	4.1	-3.6	2.0	290.8	306.7	6.0	78.0	0.0 0.	
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.	
	99.9	5 <u>0.</u> 9	99•9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99•9	999.9	99.9	999,9	999.9 999.	
	99.9	99.9	99.9	950-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.	
	99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9 999.	
	0.0	15.6	966.9	900.0	8.3	4.6	999.9	99.9	99.9	99.9	290.9	306.7	5.9	77.5	999.9 999.	
•	0.7	18.0	1200.2	875.0	8.1	-0.1	999.9	99.9	99,9	99.9	292.7	304.6	4 <sub>0</sub> 3	56.2	999.9 999.	
	1.5	20.5	1438.9	85000	6.2	-1.0	953.9	9909	99.9	99•9	293. I	304.6	4.2	60.1	999.9 999.	
	2.4	22.9	1682.7	825.0	4.0	-1.4	295.2	10.8	9.8	-4.6	293.4	304.9	4.2	67.8	1.0 131.	
	3.1	25.4	1932.3	800.0	1.8	-1.2	290.0	13.3	12.5	-4.5	293.6	305.6	4.4	80.8	1.5 125.	
	3.9	27.9	2187.3	775.0	-0.7	-1.4	292.2	18.4	17.0	-7.0	293.6	305.8	4.5	95.2	2.2 120.	
	4.7	30.7	2448.7	750.0	-2.8	-2.9	297.3	20.5	18.2	-9.4	294.1	305.5	4.1	99.5	3.2 116.	
	5.5	33. 3	2716.7	725.0	-4.8	-4.9	300.6	19.5	16.8	-9.9	294.7	304.9	3.7	99.0	4.2 119.	
	6.3	36.0	2992.4	700.0	-5.8	-6.7	295.8	19.1	17.2	-8.3	296.5	305.9	3• 3	93.5	5.1 119.	
	7.1	38.8	3277.2	675.0	-7.2	-8.5	290.7	19.2	18.0	-6.8	298.0	306.5	3.0	90.5	6.1 118.	
	7.9	41.4	3570.5	650.0	-9.6	-10.3	289.5	20.1	19.9	-6.7	298.4	306 • 1	2.7	95.1	7.0 117.	
	8.7	44.4	3872.7	625.0	-11.1	-12.3	286.2	21.7	20.8	-6.1	300.0	307.0	2.4	91.3	7.9 116.	
	9.4	47.4	4185.9	600.0	-12.2	-16.2	251.0	22.6	22+2	-4,3	302.2	307.6	1.8	72.0	8.9 114.	
	10.2	50.4	4510.1	575.0	-14.8	-18.0	275.5	22.7	22.6	-2.3	302.8	307.7	1.6	76.4	10.0 113.	
	11.0	53.5	4844.8	550.0	-17.7	-19.5	271.3	22.9	22.9	-0.5	303, 2	307.7	1.5	85.9	10.9 111.	
	11.8	56,5	5191.1	525.0	-20.4	-21.9	258.4	22.9	22.9	0.6	304.0	307.9	1.3	88.1	12.1 109.	
	13.0	59.9	5550.7	500.0	-22.8	-24.5	270.3	22.5	22.5	-0.1	305.3	308.6	1.0	85.7	13.6 106.	
	14.9	€ 3. 4	5925.1	475.0	-25.5	-28.6	278.3	25.5	25.2	-3.7	306.5	308.9	0.0	74.7	16.2 104.	
	16.7	66.7	6315.5	450.0	-27.9	-35.1	281.5	24.3	23.8	-4.9	308.2	309.6	0.4	49.8	18.9 174.	
	17.9	70.4	6723.7	425.0	-31.3	-40.0	282.0	23.2	22.7	-4.8	308.9	309.9	0.3	41.6	20.6 104.	
	19.0	74.0	7150.2	400.0	-34.6	-46.9	284+8	23.4	22.6	-c. 0	309.9	310.4	0,1	27.3	22.1 104.	
	20.2	77.9	7598.5	375.0	-37.3	-59.9	288.6	24.6	23.3	-7.9	312.1	312.2	0.0	7.4	23.9 104.	
	21.7	81.5	8071.3	350.0	-41.0	99.9	294.1	25.3	23.0	-10.3	313.5	999.9	99.9	999 <sub>e</sub> 9	26.1 105.	
	23.8	€6.0	8573.2	325.0	-43.6	99.9	273.6	19.4	19.4	-1.2	316.6	999.9	99.9	999.9	28.9 105.	
	25.4	90.6	9106.5	300.0	-47.0	99.9	258.0	24.5	24.0	5.1	319.2	999.9	99.9	999.9	31.1 103.	
	26.9	95+3	9683.8	275.0	-46.4	99.9	252.5	15.0	14.3	4.5	328.0	999.9	99• 9	999.9	32.7 102.	
	28.9	100.2	10311.9	250.0	-49.7	99.9	256.9	17.9	17.5	4.1	332.2	999.9	99.9	999.9	34.4 101.	
	31.3	105-4	10998.3	225.0	-51.8	99.9	258.4	26.5	25.9	5. 3	339.2	99.9 • 9	99•9	999.9	36.9 99.	
	33.4	111.0	11758.7	200.0	-54.7	97.9	269.4	20.2	20.2	0.2	346.2	999.9	99. 9	999.9	40.0 97.	
	35.6	117.0	12609.9	175.0	-55.3	99.9	276.2	16.5	16.4	-1.8	358.6	999.9	99.9	999.9	42.5 97.	
	38.7	124.0	13587.6	150.0	-56.2	99.9	231.8	23.8	18.7	14.7	373.3	999.9	99.9	999.9	45.1 95.	
	42.2	131.3	14750.4	125.0	-53.8	99.9	254.5	20.1	19.4	5.4	397.6	999.9	99. 9	999.9	49.9 92.	
	46.6	139.3	16186.9	100.0	-55.5	59.9	255.1	18.2	17.6	4.7	420.5	999.9	99.9	999.9	54.1 91.	
	52.5	147.3	18040.5	75.0	-50.2	99.9	233.8	5.1	4.1	3.0	467.7	999.9	99.9	999.9	58.4 89.	
	59.8	155-7	20646.4	50.0	-54.2	99.9	272.9	4.2	4.2	-0.2	515.9	999•9	99.9	999.9	58.6 89.	
	70.7	164.0	25149.6	25.0	-50.8	99.9	333-7	1.3	,0.6	-1.2	638.7	999.9	99.9	999.9	59.5 89.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NU. 11001 MARSHALL SPACE FLIGHT CENTER

24 APRII 1075

WANTE	12/2					
1442 GMT				165	16.	0

	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
	0.0	5.9	180.0	997.0	21.1	16.9	200.0	.4.2	1.4	3.9	296.2	329.3	12.3	77.0	0.0	0.
	99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99. 9	999.9	99.9	999.9	999.9	999.
	0.8	7.8	373.1	975.0	19.3	16.6	202.4	10.7	4-1	9.8	296.2	328.5	12.3	84.6	0.4	15.
	1.6	5.9	. 596.2	950.0	17.0	16.0	212.2	13.3	7.1	11.2	296.1	328.0	12.2	94.1	0.9	21.
	2.4	12.0	823.4	925.0	14.7	14.0	216.8	15.1	9.1	12-1	295.8	324.6	11.0	96.0	1.6	28.
	3.2	14.3	1055.8	900.0	14.4	13.5	224.2	18.6	13.0	13.4	297.8	326.8	10.9	94.5	2.4	32•
	3.9	16.4	1294.3	875.0	13.3	11.8	230.0	20.4	15.6	13.1	298.9	325.8	10.0	90.8	3. 3	36.
	4.8	18.7	1538.2	850.0	12.4	10.3	233.0	20.0	16.0	12.1	300.3	325.6	9 <sub>0</sub> 3	87.4	4. 3	40.
	5.8	20.9	1788+8	825.0	11.0	9.5	234.2	20.4	16.6	12.0	301.4	326+2	9.1	90.4	5.4	4.3•
	6.6	23.3	2045.5	800.0	9.4	7.8	233.7	21.5	17.3	12.7	302.3	325.2	8.4	89.9	6.5	45.
	7.6	25.7	2308.9	775.0	7.9	6.2	239.1	18.9	16.2	9.7	303.3	324.7	7.7	89.0	7. 6	46.
	8.5	28.1	2578.9	750.0	5.7	3.8	247.0	15.7	14.5	6+ 1	303.7	322.5	6.7	87.6	8.7	48.
	9.6	30.7	2856.0	725.0	4.1	3.0	252.2	15.0	14.3	4.6	304.9	323.4	6. 6	92.5	9.5	50.
	10.6	33.3	3141.9	700.0	4.8	-18.3	251.3	20.8	19.7	6.7	307.9	312.0	1.3	17.0	10.4	53.
	11.7	35 <sub>9</sub> 8	3438.3	675.0	4.4	-16.7	250+5	. 26.7	25.2	8.9	310.8	315.6	1.5	20.0	12.0	55.
	12.9	38. 6	3744.0	650.0	1.8	-11.2	253.6	28.5	27.3	. 8-1	311.4	319.0	2.5	37.4	13.9	57.
	14.0	41.2	4059.3	625.0	-0.4	-6.9	254.6	28.9	27.8	7.7	312.5	323.5	3.7	61.4	15.7	5.9.
	15.2	44.1	4385.5	600.0	-1.8	-6.4	254.9	24.7	23.8	6.4	314.5	326.5	4.0	70.8	17.8	61.
٠.	16.5	47.0	4722.8	575.0	-4.4	-14.7	256.9	23.1	22.5	5. 2	315.1	321.8	2.1	44.0	19.4	62.
	17.8	5C • 1	5071-1	550.0	-7.7	-19.6	262.2	20.1	19.9	2.7	315.0	319.8	1.5	38.2	21.1	64.
	19.1	53.0	5431.2	525.0	-10.6	-25.4	561-1	22.1	21.8	3.4	315.8	318.8	0.9.	28.2	22.6	65.
	20.3	56.1	5804.0	500.0	-14.3	-25.5	259.5	25.4	25.0	4.6	315.7	318.8	1.0	36.0	24.2	65.
	21.1	59.4	6191.4	475.0	-16.0	-60-1	260-1	25-1	27.7	4.9	318.1	318.2	0.0	1.0	25.5	67.
	22. 8	62.9	6596.4	450.0	-18.8	-61.9	262.9	21.3	21.1	2.6	319.5	319.6	0.0	1.0	27.7	68.
	24.3	66.2	7019.5	425.0	-22.0	-63.9	259.6	24.3	23.9	4.4	320.8	320.8	0.0	1.0	24.7	69.
	25.9	70.0	7462.5	400.0	-24.9	-65.9	266.1	24.3	24.3	1.7	322.5	322.6	0.0	1.0	31.9	70.
	27.6	73.7	7929.9	375.0	-28.1	-67.9	269.8	23.1	23.1	0 · 1	324.3	324.4	0.0	1.0	34. 2	71•
	29.3	77.7	8420.5	35C.O	-31.9	-70-4	268.2	25.9	25.8	0 . 8	325.6	325.7	0.0	1.0	36.6	72.
	31.0	61.8	9538.9	325.0	-36.6	-73.6	264.1	27.0	26.8	2.8	326. l	326.1	0.0	1.0	39.5	73.
	32.7	<b>86.0</b>	9487.5	300.0	-41.4	99.9	265.7	29.5	29.4	2•2	327.0	999.9	99. 9	999.9	42.0	746
	34.4	90.8	10072.4	275.0	-46.1	99.9	272.5	26.9	26.9	-1.2	328.5	999.9	99.9	999.9	45.0	75.
	36.4	95.7	10698.8	250.0	-51.2	99.9	271.0	26.5	26.5	-0. 5	330.0	999.9	99.9	999.9	48.1	76.
	39.7	101.0	11376.4	225.0	-55-1	99.9	275.4	23.9	23.8	-2 <b>.</b> 3	334.0	999.9	99.9	999.9	51.9	77.
	41.1	1.06.8	12121.9	200.0	-59.4	99.9	282.9	29.5	28.7	-6.6	330.0	999.9	99.9	999.9	54.7	79.
	43.5	113.0	12951.7	175.0	-62.2	99.9	267.0	19.6	19.5	1.0	347.3	999.9	99.9	999.9	57, 7	80.
	46.6	120.0	13908.1	150.0	-60.1	99.9	262.7	38.2	37.9	4.8	366.6	999.9	99.9	999.9	63. 5	80.
	49.8	127.7	15040.2	125.0	-61.9	99.9	271.5	30.8	30.8	-0.8	382.8	999.9	99.9	999.9	69.4	81.
	53.9	136.3	16403.6	100.0	-66.8	99.9	272.4	22.6	22.6	-0.9	398.6	999.9	99. 9	999.9	74+7	82.
	58. 8	145.0	18142.2	75.0	-66.5	99.9	285.4	1.5	1.4	-0.4	433.5	999.9	99.9	999.9	79.7	82.
	65.3	155.0	20627.2	50.0	-57.9	99.9	39.9	5.2	-3.4	-4.0	507.1	999.9	99.9	999.9	81.1	83.
	76.0	165.3	25067.3	25.0	-51.2	99.9	278.4	5.6	5.5	-0.8	638.0	999.9	99. 9	999.9	80.4	84.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

24 April 1975

1800 GMT

257

### STATION NO. 208 CHARLESTON. SC

24 APRIL 1975 1800 GMT

152 29. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE MIN GF4 MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 4.6 13.0 1021.0 24.3 13.8 210.0 297.0 323.1 52.0 0.0 C. 0.0 8.2 4.1 7.1 9.8 0.3 0.4 6.1 194.4 1000.0 22.2 12.0 205.4 9.2 3.9 8.3 296.5 320.1 8.9 52.5 24. 413.8 975.0 20.4 11.7 208.0 57.3 1.0 8. 1 8.8 4.1 7.7 296.9 320 . 6 8.9 0.6 25. 296.7 1.7 10.2 637.5 950.0 18.0 11.2 213.9 8.9 5.0 7.4 320.3 8.9 64.5 0.9 27. 865.1 925.0 10.3 219.6 296.3 319.0 2.2 12.2 15.5 8.8 5.6 6.8 8.5 71.1 1.2 29. 1096.9 900.0 12.9 226.3 295.8 317.7 3.0 14.4 9.2 7.8 5.7 5.4 8.2 78.7 1.6 33. 1333.3 875.0 11.2 225.1 296.4 317.7 37. 4.1 16.3 8.4 7.2 5.1 5.1 7.9 82.8 2.0 1575.3 850.0 228.2 297.9 312.0 5.0 18.6 10.6 1.6 6.7 5.0 4.5 5.1 53.7 2.4 38. 5.9 20.7 1824.2 825.0 10-1 2.5 240.9 5.5 4.8 2.7 300.0 315.5 5.6 59.2 2.8 40. 7.0 23.0 2079.6 800.0 9,3 -8.1 241.6 5.1 4.5 2.4 301.4 309.0 2.6 28.3 3.0 42. A. 1 25.3 2342.3 775.0 8.4 -1.9 243.0 6.3 5.6 2.9 303.4 315.8 4.3 46.3 3.4 44. 27.6 2613.2 750.0 0.1 248.6 7.1 305.4 320.1 5.1 59.2 3.8 9.1 7.5 6.6 2.6 46. 10.2 30.0 2891.8 723.0 -1.4 257·8 7.4 7.2 306.6 320.3 4.8 59.2 4.2 4 9. 5.9 1.6 11.2 32.5 3178.9 700.0 4.5 -3.1 261.1 8.3 8.2 308.1 320.8 4.4 57.6 4.7 52. 1.3 12.3 35.1 3474.8 675.0 3.1 -4.8 265.7 8.0 8.0 0.6 309.6 321.3 4.0 55.8 5. 2 55. 321.6 13.5 37.4 3779.9 650.0 1.1 -6.4 276.0 9.1 9.1 -0.9 310.7 3.7 57.2 5. 6 59. 14.9 40.1 4095-2 625.0 0.1 -8.7 287.9 11.6 11.0 -3.6 313.0 322.6 3.2 51.5 6.2 64. 16.2 42.7 4421.0 600.0 -2.7 -11.1 292.1 12.6 11.7 -4.7 313.4 321.7 2.7 52.2 7.0 70. 17.5 45.5 4756.9 575.0 -5.2 -19.3 292.0 10.9 10-1 -4 . I 314.0 318.7 1.5 32.4 7.8 75. 19.0 48.4 5104.4 550.0 -7.9 -21.5 302.8 11.2 9.4 -6.0 314.5 318.9. 1.2 32.3 8.4 79. 20.3 51.3 5463.9 525.0 -10.9 -21.5 304.5 13.8 11.4 -7.8 315.5 319.7 1.3 41.2 9.2 83. 21.7 54.4 5637.4 500.0 -12.2 -35.4 304.0 12.0 9.9 -6.7 318.2 319.5 0.4 12.2 10.1 88. 23.2 57.4 6228.1 475.0 -14.6 -37.2 306.8 12.1 9.7 -7.3 319.9 321.1 0.3 12.5 10.8 91. 322.9 24.8 60.7 6635.8 450.0 -17.0 -38.9 302.9 12.0 10.1 -6.5 321.8 0.3 12.8 11.9 94. 26.4 64-1 7061.5 425.0 -20.0 -41.5 313.6 10.4 7.6 -7.2 322.5 323.3 0.2 13.3 12.7 97. 323.1 323.8 13.7 13.7 99. 28.2 67.4 7506.8 400.0 -24.5 -44.4 306.0 10.6 8.6 -6.2 0.2 324.8 14.9 101. 30.1 71.0 7973.1 375.0 -28.2 -47.1 295.0 13.8 12.5 -5.8 324.2 0.1 14.2 325.1 14.7 16.8 102. 32.0 74.8 8463.8 350.0 -32.6 -50.5 293.4 16.2 14.9 -6.4 324.7 0.1 327.1 18.9 104. 34.2 79.0 8981.6 325.0 -36.1 -53.2 290.3 17.8 16.7 -6.2 326.€ 0.1 15.1 36.2 63.0 9532.5 300.0 -40.2 99.9 292.2 19.0 17.6 -7.2 328.8 999.9 99.9 999.9 21.1 104. 999.9 999.9 23.6 105. 35.4 87.2 10119.7 275.0 -45.6 99.9 292.3 19.9 18.4 -7.6 329.2 99.9 40.9 91.8 10747.3 250.0 -51.0 99.9 282.2 19.5 19.0 -4.1 330.2 999.9 99.9 999.9 26.7 10c. 43.8 96.8 11427.6 225.0 -55.3 99.9 279.0 18.6 18.4 -2.9 333.7 999.9 99.9 999.9 29.8 104. 46.5 102.0 12169.5 200.0 -60.5 99.9 276.3 22.5 22.3 -2.5 337.0 999.9 99.9 999.9 33.1 104. 49.6 10€.0 12956.4 175.0 -62.0 99.9 281.7 29.2 28.6 -5.9 347.7 999.9 99.9 999.9 38.1 104. 13958.0 28.1 -9.4 368.3 999.9 99.9 999.9 44.1 103. 53.2 114.3 150.0 -59.1 99.9 288.5 29.6 381.5 50.5 105. 57.4 121.5 15096.3 125.0 -62.7 99.9 292.3 23.2 21.5 -8.8 999.9 99.9 999.9 999.9 -69.2 274.0 13.7 13.6 -1.0 394.1 999.9 99.9 56.4 105. 62.2 129.7 16448.5 100.0 99.9 429.9 999.9 61.9 105. 68.2 138.3 18158.8 75.0 -68.2 99.9 318.1 14.8 9.9 -11.0 999.9 99.9 76.8 147.3 20648.0 99.9 138.1 0.9 -0.6 0.6 502.1 999.9 99.9 999.9 62.1 106. 50.0 -60.0

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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TENE MEANS TEMPERATURE OR TIPE HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 251 TAMPA. FLA

24 APRIL 1975 1730 GMT

158 17. 0

	TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U-COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM.	DG	
	0.0	4.3	8.0	1021.2	28.6	15.2	140-0	6•2	-4.0	4,7	301.4	330.3	10.7	44.0	0.0	0.	
	0.8	6.0	193.1	1000.0	25.2	11.6	160.5	6.3	-2.3	5.9	299.5	322.9	8.6	42.8	0.4	339.	
	1.8	6.2	414.8	975.0	23.0	11.3	148.8	4.8	-2.5	4-1	299.5	323.0	8.7	47.7	0.7	337.	
•	2.6	10.4	640.8	950.0	21-1	10.8	143.3	5.6	-3.4	4.5	299.8	323.2	8.6	51.5	0.9	334.	
	3.3	12.5	67C,9	925.0	18.9	10.1	138.7	5.8	-3.8	4.7	299.8	322.7	8.4	56.5	1.2		
	3.8	14.9	1105.5	900.0	16.6	9.6	124.3	5.6	-4.6	3.1	299.7	322.5	8.4	63.4	1.3		
	4.7	17-1	1345.0	875.0	14.4	8.9	102.9	7.4	-7.2	1.7	299.9	322.2	8.2	69.1	1.6		
	5.8	19.5	1589.7	850.0	12.7	7.7	106.6	7.3	-7.0	2.1	300.5	355.0	7.9	72.1	, 2. 0		
	6.7	21.7	1840.3	825.0	12.8	-12.7	121.9	7.6	-6.5	4.0	302.3	307.6	1.7	15.6	2. 4		
	7.6	24.1	2097.5	800.0	11.3	-13-8	122.5	6.5	-5.5	3.5	303.4	308.3	1.6	15.7	2.8		
	8.6	26.4	2361.7	775.0	9.7	-15.0	108.3	4.2	-4.0	1.3	304.4	309.1	1.5	15.8	3.1		
	9.7	29.0	2632.8	750.0	8.2	-16-1	74.6	3.8	-3.7	-1.0	305.6	310.1	1.4	15.9		305.	
	10.8	31.7	2912.8	725.0	8.2	-16.1	33.2	2.4	-1.3	-2.0	306.7	313.4	1.5	15.9	3.4	302.	
٠		34.4	3202.0	700.0	7.9	-17.3	4.7	3.1	-0.3	-3.1	311.4	315.9	1.4	14.5	3.4		
	12.9	36.8	3502 • 2	675.0	6.7	-14.9	358.3	3.2	0.1	-3.2	313.4	319.0	1.8	19.6	3. 3		
	14.1	39.7	3809.8	650.0	4.6	-11.1	336.1	4.1	1.7	-3.8	314.5	322.3	2.5	31.1	3.1		
	15.2	42.3	4128.4	625.0	2.7	-8.6	334.2	6.2	2.7	-5.6	315.9	325.7	3. 2	43.1	2. 9		
	16.4	45.2	4457.4	600.0	0.2	-9.0	343.4	9.6	2.8	-9.2	316.7	326.7	3.2	50.0	2.5		
	17.6	48.3	4797.2	575.0	-2-1	-11.4	345.7	10.8	2.7	-1C.5	317.8	326.5	2.8	49.0	2.3		
	18-8	51.1	5149.4	550.0	-4.0	-13.0	340.3	9.1	3.0	-8.5	319.6	327.7	2.5	49.3	2.4		
	20.2	54.3	3515.4	525.0	-5.9	-16.4	324.3	7.9	4.6	-6.4	321.5	328.0	2.0	43.1	2.5	226.	
	21.6	57.3	5896.0	500.0	-2.7	-20.0	311.7	7.3	5.4	-4.8	322.6	327.7	1.6	39.2	2. 6	213.	
	23.1	€0=6	6291.0	475.0	-12.2	-21.3	308.2	7.6	5.9	-4.7	323.0	327.8	1.5	46.4	2.7	198.	
	24.6	64.0	6701.9	450.0	-15.4	-22.9	317.1	8.1	5.5	-5.9	324.0	328.5	1.3	52.4	3.0	186.	
	26.0	67.3	7131.0	425.0	-18.7	-26.9	312.4	8.7	6.4	~5.9	325.0	328.4	1.0	48.4	3. 5		
	27.7	7C. 8	7580.4	400.0	-21.7	-28.4	309-1	11.7	9.1	-7.4	326.€	329.9	0.9	54.4	4.3		
	29.4	74.5	8053.8	375.0	-24.3	-33,2	296.0	12.8	11.5	-5.6	329.5	331.6	0.6	43.1	5.3	158.	
	31.2	78.4	6553+3	350.0	-28.2	-36.7	288.7	13.0	12.3	-4.1	330.7	332.4	0.5	43.5	6.4		
	33.2	<b>62.3</b>	9080.9	325.0	-32.2	-43.4	292.4	16.9	15.7	-6.4	332.2	333.2	0.2	31.4	7.07		
	35.3	£6. 5	9640.6	300.0	-37.0	-47.4	299.9	17.9	15.5	-8.9	333.2	333.9	0.2	32.9	9. 7		
	37.2	91.0	10236.2	275.0	-42.1	99.9	303.0	19.0	15.9	-10.3	334.3	999.9	99.9	999.9	11.9		
	39.3	95.6	10874.8	250.0	-47.3	99.9	295.8	18.1	16.3	-7.9	335.7	99929	99.9	999.9	14.2		
	41.6	100-4	11562.7	225.0	-53.1	99.9	295.7	22.2	20.0	-9.6	337-1	999.9	99.9	999.9	16.7	128.	
	44.2	105.5	12311.6	200.0	-56.7	99.9	291.3	31.6	27.4	-11.5	339.€	999.9	99.9	999.9	20.9	125.	
	47.1	111-3	13138.6	175.0	-64.1	99.9	293.7	30.0	28.0	-10.6	344.1	999.9	99.9	- 999.9	26.6	122.	
	50.4	117.5	14095.4	150.0	-60.9	99.9	294.2	21.4	19.5	-8.8	365.2	999.9	99.9	999.9	31.4	121.	
	54.2	124.7	15217.1	125.0	-65.2	90.9	283.1	18.5	18.1	-4.2	376.9	999.9	99.9	999.9	35.7	119.	
	55.6	122.3	16557.4	100.0	-71.3	99.9	282.1	14-1	13.6	-3.0	390.0	999.9	99.9	999.9	40. I		
	63, 9	140-3	18242.9	75.0	-72.3	99.9	333.6	7.5	3.3	-6.7	421.3	999.9	99•.9	999.9	43.9	117.	
	71.4	149.0	20707.0	50.0	-60.9	99.9	134.0	3.3	-2.3	2.3	500.0	999.9	99.9	999.9	43.7		
	82.7	158-0	25125.3	25.0	-51.3	99.9	25.6	6.4	-2.8	-5.8	637.1	999.9	99.9	. 999.9	44.6	121.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

24	APRIL	1975
	1805 GMT	

160

19. 0

TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ PCT MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG KM DG 1016.4 0.0 44.0 27.9 180.0 300.7 321.8 0.0 3. € 10.1 4.1 0.0 4.1 7.7 33.0 0. 175.3 187.2 1000.0 24.5 14.4 4.7 299.1 0.2 34. 0.3 4.8 -0.4 326.9 10.4 53.5 5.1 181-1 1.2 6.8 408.5 975.0 22.3 12.1 0.1 6.5 258.8 323.4 9.1 52.4 0.4 I 5. 6.5 950.0 189.0 298.7 322.8 2.2 8.8 633.7 20.1 11.3 5.4 0.8 5.3 8.9 57.1 0.5 10. 10.8 3.1 863.3 925.0 18.1 11.4 190.4 4.2 0.8 4.2 299.0 323.8 9.2 65.1 1.0 10. 299.3 4.0 12.8 1097.5 900.0 16.1 11.3 181.8 4.9 0.1 4.9 324.7 9.4 73.5 1.3 19. 15.0 1336.6 875.0 13.7 10.4 197.4 5.7 1.7 299.3 323.9 9.1 80.4 1.5 8. 4.9 5.4 227.4 299.9 323.3 1.8 5.7 17.0 1580.9 850.0 12.0 9.2 5.3 3.9 3.6 8.6 82.9 12. 1831.5 825.0 248.5 0.9 302.0 323.2 2.0 6.7 19.3 11.7 7.0 2.5 2.3 7.7 73.5 18. 216.1 7.6 21.4 2088.9 800.0 11.7 -42.0 2.7 1.6 2.2 303.6 304.0 0.1 2.1 10. 1 . I 775.0 8.5 23.7 2353.7 11.1 -20.3 230.3 3.6 2.8 2.3 305.€ 309.0 1.0 9.3 2.3 20. 2626.4 750.0 0.4 307.4 320.1 23. 9.5 25.9 9.5 ~2.2 263.5 3.6 3.6 4.4 44.0 2.4 10.5 28.5 2907.0 725.0 7.6 -3.9 291.0 4.5 4.6 -1.8 308.3 319.9 4.0 43.8 2.5 30. 3195.2 700.0 295.7 -2.3 309.6 2.5 365 11.4 31.0 6.0 -5.2 5.4 4.9 320.6 3.7 44.2 3492.5 575.0 298.2 5.5 -3.0 2.6 12.6 33.6 4.1 -5.9 6.3 310.7 321.6 3.7 48.4 45. 13.5 36.1 3798.9 650.0 2.7 -5.7 300.0 5.9 5.1 -2.9 312.5 324.0 3.8 53.8 2.8 52. 14.8 38.9 4115.2 625.0 0.6 -6.2 301.9 7.2 6.1 -3.8 313.6 325.2 3.8 60.0 2.9 60. 15.7 41.5 4441.7 600.0 -2.3 -5.7 303.2 8.8 7.3 -4.8 313.9 326.4 4.2 77.6 3.2 58e 4778.6 575.0 -7.5 311.7 -6.1 326.4 3.8 80.6 3.5 77. 16.8 44.4 -4.7 9.2 6.9 314.9 5127.6 550.0 -10.4 313.8 7.7 316.3 326.0 3.2 76.3 3.9 85. 18.0 47.5 -6.9 5.5 -5.3 19.3 50.5 5489.3 525.0 -902 297.0 7.9 7.1 -3.6 317.5 324.1 2.1 57.6 4.3 89. -1001 5865.9 500.0 -10.7 285.0 9.8 29.7 5.0 92. 20.6 53.6 -25.0 10-1 -2.6 320.0 323.4 1.0 21.8 56.7 6258.5 475.0 -13.3 -22.6 281.5 12.7 12.4 -2.6 321.6 326.0 1.3 46.1 5.8 93. 450.0 6. 9 95. 23.1 60.3 6658.1 -16.6 -20.2 290.2 15.5 14.5 -5.4 322.6 328.1 1.7 73.3 24.6 64. 3 7095.2 425.0 -20.0 -21.4 294.8 16.0 14.5 -6.7 323.5 328.9 1.6 88.1 8.2 98. 297.5 327.9 0.7 9.7 101. 26.1 67.7 7543.2 400-0 -22.8 -30.8 18.1 16.0 -8.5 325.4 47.7 375.0 11.4 103. 27.6 71.4 8013.8 -25.7 -39.3 291.2 20.2 18.8 -7.3 327.5 328.8 0.4 26.3 29.2 75.7 8579.8 350.0 -29.6 -42.9 284.7 20.6 19.9 -5.2 328.8 329.7 0.2 26.0 13.4 104. 31.2 80.1 9033.3 325.0 -3461 -42.5 274.8 18.6 18.5 -1.5 329.6 330.6 0.3 41.8 15.7 103. 33.0 84.8 9588.7 300.0 -38.5 -48.4 274.8 17.3 17.2 -1.5 331.0 331.5 0.2 34.3 17.6 102. es. 6 10180.0 275.0 99.9 999.9 19.8 102. 35.0 -43.9 99.9 277.9 19.5 19.4 -2.7 331.7 999.9 37.2 95.0 13812.6 250 . C 275.1 20.9 999.9 99.9 999.9 22.4 101. -49.1 99.9 21.0 -1.9 333.1 27.6 99.9 999.9 26.3 101. 11496.7 -54.3 99.9 279.7 28.0 335.3 999.9 39.6 100.5 225.0 -4.7 999.9 106.7 12244.3 200.0 99.9 273.2 27.6 27.5 -1.5 341.0 999.9 99.9 30.9 100. 42.5 -58.0 13078.8 -4.9 999.9 999.9 36.4 99. 45.5 113.3 175.0 -60.9 99.9 279.8 28.6 28.2 349.4 99.9 14039.0 23.5 999.9 99.9 999.9 41.2 99. 48.9 120.3 150.0 -60.5 99.9 276.5 23.4 -2.7 365.9 999.9 15172.2 125.0 281.0 999.9 47.4 99. 53.1 128.3 -62.5 99.9 23.4 23.0 -4.5 381.9 99.5 16526.7 100.0 -4.4 392.7 999.9 99.9 999.9 52.3 100. 58.0 136.3 -69.9 99.9 288.9 12.9 13.6 999.9 63.7 144.0 18239.9 75.0 -68.1 99.9 290.7 12.8 12.0 -4.5 430.2 99. 9 999.9 56.0 101. 999.9 71.9 152.0 20737.5 50.0 -59.6 99.9 216.0 0.5 0.7 503.1 99.9 999.9 56.7 102. 0.9 84.4 160.0 25180.8 25.0 -52.1 99.9 39.2 5.7 -3.6 -4.4 634.8 999.9 99.9 999.9 58.7 103.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 220 APALACHICOLA. FLA

#### 24 APRIL 1975 1715 GMT

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14.

TIME CNTCT HF I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE. AZ GEM DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN MB 11.0 331.8 13.4 74.0 4.5 1021.8 23.6 150.0 5.2 -2.6 256.7 0.0 0. 0.0 18.7 4.5 328.3 198.9 1000-0 21.1 171.4 10.3 -1.5 10.2 295.9 12.4 78.0 0.3 344. 0.0 6.2 17-1 10.5 324.7 71.8 0.8 351. 1.3 6.4 418.1 975.0 19.7 14.5 183.0 10.5 0.6 256.4 10.7 325.9 2.1 10.5 642.3 950.0 19.1 13.7 194.4 6.8 1.7 6.6 298.0 10.5 70.9 1.2 356. 2.9 12.7 871.4 925.0 17.9 12.4 189.8 4.5 0.8 4.4 298.9 325.3 9.9 70.4 1.4. 1. 1105.6 900.0 16.0 172.3 -0.6 4.5 299.2 324.9 9.5 74.7 1.6 3.8 15.0 11.5 4.5 0. 8.9 4.5 17-1 1344.9 875.0 14.5 10.0 188.4 4.3 0.6 4.3 300.1 324.1 74.4 . 1.9 360. 190.9 300.8 321 - 8 7-7 13.0 7.3 0.7 3.4 68.6 2.0 5.4 19.5 1589.9 850.0 3.4 1 -303.4 313.2 28.6 6.3 21.7 1840-8 825.0 13.6 -4.4 159.9 1.7 -0.6 1.6 3.4 2.2 1. 0.5 321.1 5.5 47.8 2.2 7.3 2099.9 12.7 1.9 214.7 0.9 0.7 305.4 1. 24.2 800.0 26.5 2365.8 775.0 10.9 0.5 229.2 2.0 1.5 1.3 306.2 320.9 5.1 48.7 2.3 2. 8.1 9.0 29.1 2638.3 750.0 8.9 -2.0 236.3 3.3 2.7 1.8 306.8 319.7 4.4 46.4 2.4 5. 309.0 22.3 2.5 10.1 31.7 2918.7 725.0 8.5 -11.8 242.2 3.2 2.8 1.5 315.5 2.1 9. 11.0 34.3 3208.3 700.0 7.2 -8.0 265.1 2.9 2.9 0.2 310.9 319.9 3.0 33.0 2.6 12. 12.0 36.8 3506.1 675.0 5.3 -17.7 313.8 3.7 2.7 -2.6 311.7 316.3 1.4 17.4 2.6 3813.5 650.0 -6.8 350.3 6.5 1.1 -6.4 313.3 324.0 3.5 47.0 2.4 22. 13.1 39.6 3.4 14.1 42.1 4130.3 625.0 0.7 -9.3 349.2 7.2 1.4 -7.1 313.6 322.8 3.0 47.2 1.9 28. 4456.7 600.0 -1.6 -12.8 336.4 7.4 -6.8 314.5 321.9 2.4 42.0 1.6 40. 15.3 45.0 2.9 16.5 47.9 479443 575.0 -3.9 -10.8 326.9 9.7 5.3 -6.1 315.€ 324.8 2.9 58.6 1.5 59. 324.7 -5.8 -12.1 7.5 -10.7 317.6 326.1 2.7 60.7 1.8 88. 17.7 50. E 5144.8 550.0 13.1 5507.8 -12.9 -11-0 318.5 327.0 2.7 70.5 2.5 107. 18.8 53.9 525.0 -8-5 321.4 14.1 8.8 315.5 -10.9 -16.0 13.4 9.4 -9.6 320.0 327.0 2.2 66.2 3.4 116. 20.1 56.8 5884.7 500.0 -18.7 -9e5 321.4 327.3 65.2 4.5 120. 21.4 60.0 6276.9 475.0 -13-6 311.5 14.3 10.8 1.8 22.9 63.4 6686+2 450.0 -16.4 -22.1 307.5 14.9 11.8 -9.1 322.8 327.5 1.4 60.8 5.7 122. 24.4 66.6 711441 425.0 -19.4 -26.3 299.9 16.6 14-4 -E.3 324.2 327.7 1.0 54.2 7.2 123. 26.0 70.1 7562.4 400-0 -21.9 -31.9 288.0 16.2 15.4 -5.0 326.5 328.8 0.7 39.9 8.7 121. 327.€ 329.2 0.4 30.3 10.5 119. 27.7 73.7 8033.9 375.0 -25.5 -37.9 297.7 18.4 16.3 -8.6 29.4 77.6 8530.7 350.0 -29-1 -42.6 300.2 21.6 18.7 -10-9 329.5 330.4 0.2 25.6 12.5 120. -9.9 330.9 331.6 0.2 24.9 14.9 119. 31.2 81.3 9055.5 325.0 -33.1 -46.3 295.0 23.4 21.2 -8.9 331.3 999.9 99.9 999.9 17.6 118. 33.1 25.6 9612.8 300.0 -38.3 99.9 292.7 23.1 21.3 -12.8 332.6 999.9 99.9 999.9 20. 3 118. 35.2 90.0 10203.8 275.0 -43.3 99.9 299.1 26.4 23.0 32.0 -17.3 334.7 999.9 99.9 999.9 25.0 118. 37.5 94.8 10839.4 250.0 -48.0 99.9 298.4 36.4 40.2 99.6 11526.5 225.0 -53.5 99.9 296.9 51.5 45.9 -23.3 336.6 999.9 99.9 999.9 31.6 116. 42.8 104.9 -5.8 340.4 999.9 99.9 999.9 37.6 117. 12276.1 200.0 -58.3 99.9 287.0 33.5 32.1 45.6 110.6 13106.3 175.0 -61.4 99.9 290.8 31.7 29.6 -11.2 348.6 999.9 99.9 999-9 43.4 116. 48.9 116.8 14063.8 150.0 -61.6 99.9 301.6 29.9 25.5 -15.7 363.9 999.9 99.9 999.9 49.2 116. 52.9 124.0 15185.0 125.0 -65.8 99.9 287.3 23.0 22.0 -6.9 375.8 999.9 99.9 999.9 54.7 116. 99.9 999.9 61.6 116. 57.2 132.0 16529.7 100.0 -67.9 99.9 307.5 18.5 14.7 -11-2 396.5 99909 18237.3 999.9 99.9 999.9 64.8 116. 62.7 140.7 75.0 -69.0 99.9 306.5 10.2 8.2 -6.1 428.4 70.1 150.0 20704.9 50.0 -58.5 99.9 58.2 7.8 -7.7 1.-1 505.6 999.9 99.9 999.9 65.3 117. 635.2 999.9 99.9 999.9 65.4 118.

-52.1

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34544

25.0

82.4

16C.5

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0.4

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 226 CENTERVILLE. ALA

#### 24 APRIL 1975 1815 GMT

								-0	•					•	39 30		
	ME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	CIR	SPEED	U COMP	V CC4P	POT T	E POT T	MX RTO	RH.	RANGE	. AZ	
. •	IIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	- 1
	0.0	6.2	140.0	1002.4	24.0	18-2	200-0	7.7	2.6	7.2	298.7	333.7	13.3	70.0	C. O	G.	
	0.1	6.4	161.0	1000.0	23.6	17.7	199.8	8.6	2.9	e. 1	298.5	332.5	12.9	69.3	0.1	5.	
	0.9	8. B	381.5	975.0	20.7	16.2	197.3	9.9	2.9	9.4	297.6	329.1	12.0	75.5	0. 7	19.	
	2.0	. 11.0	605.8	950 • 0	18.3	14.3	203.9	12.3	5.0	11.2	297.2	325.9	10.8	77.5	1.3	18.	
	2.9	13.5	834.8	925.0	17.7	12.1	216.6	13.3	7.9	10.7	298.7	324.7	9.7	69.7	2.0	23.	•
	4.0	15.8	1069.0	900.0	16.5	10.6	219.8	16.0	10.2	12.3	299.7	323.9	8.9	68.0	2.9	28.	<b>)</b> .
1 1 1	5.0	10.3	1308.5	875.0	14.9	9.7	226.9	15.5	11.3	10.6	300.4	324.0	8.7	71.0	3.9	31.	
	6.0	20.8	1553.8	850.0	13.5	10-7	236.9	14.2	11.9	7. 7	301.5	327.6	9.6	83.6	447	35.	•
	7.0	23.3	1805.0	825.0	12.0	8.4	239.4	16.1	13.9	8•2	302.4	325.5	8.4	78.7	′ 5 • 5	39.	٠
	8.0	25 <b>.</b> 8	2062.5	800.0	10.8	0.2	240.0	20.2	17.5	10.1	303.3	317.3	4.9	48.5	6.5	42.	
	9.2	28.4	2327.0	775.0	10.1	-1.2	253.3	20.4	19.5	5.9	305-2	318.3	4.5	45.5	7.9	47.	
	10.4	31.2	2600.1	750.0	10.3	-6•B	258•8	23.8	23.3	. 4.6	308.1	317.2	3 <sub>0</sub> 1	29.3	9. 3	52.	
	1.4	34.0	2881.3	725.0	9.3	-11.9	258.1	20.8	20.4	4.3	310.0	316.4	2 • 1	20.9	10.6	55.	
	12.5	36.6	3171.3	700.0	8.0	-11.0	255•1	19.4	18.8	5.0	311.7	318.9	2.4	24.6	11.8		
	3.7	39•5	3470+4	675.0	6.2	-10.8	252.4	19.2	18.3	5.8	312.9	320.5	2.5	28.4	13.1	59.	
	4.8	42.1	3778-1	650.0	3.4	-11.7	251+4	21.2	20.1	. ۥ8	313.1	320.5	2.4	32.1	14.5	61.	
	16.2	45.1	4095.0	625.0	1.2	-13.8	254.6	19.9	19.1	5.3	314.0	320.6	2.1	31.7	16.0	62.	
	7.9	48.2	4421.8	600.0	-1.8	-12.8	261.6	21.0	20.7	3.1	314.3	321.7	2.4	42.8	10.1	64.	
	9.5	51.1	4758.8	575.0	-4.8	-10.4	267.7	20.1	20.1	0.8	314. 8	324.0	3.0	64.5	19.9	65.	
	20.9	54.3	5109.1	550.0	-6.3	-12.3	272.5	19.6	19.6	-c.9	316.9	325.3	2.7	62.6	21.5	67.	
	22.3	57.3	5469.8	525.0	-10-1	-13.7	273.4	18.7	18.7	-1.1	316.5	324.5	2.5	75.1	23.0	59.	
	23.8	60.7	5843.9	500.0	-13.3	-21.3	274.7	21.6	21.5	-1.8	316.9	321.4	1.4	50.7	24.5		
	25.1	64. 1	6232.6	475.0	-15.1	-36.4	279.4	50.6	20.3	-3.4	319.3	320.5	0.3	14.1	26.3		
	6.6	67.4	6639.4	450.0	-17.7	-38.4	279.4	20.5	20.2	- 3. 3	320.9	322.0	0.3	14.3	27.8	74.	_
	28.5	70.9	7064.6	425.0	-20.6	-40.7	276.5	20.1	20.0	-2.3	322.5	323.4	0.3	14.6	3C. 1	76.	
	50 • 4	74.6	7510.0	400+0	-24.2	-43.4	280.0	21.1	20.8	-3.7	323.5	324.2	0.2	14.9	32. 1	78.	
	32.5	78.6	7977.3	375.0	-27.8	-46.2	273.4	23.7	23.7	-1.4	324.8	325.4	0.2	15.2	34.7	-	-
	4.8	€2. €	8469.6	350.0	-31.5	-49.2	275.2	20.4	20.3	-1.6	326.1	326.6	0.1	15.5	37.3	80.	
	36.8	86.4	8989.2	325.0	-35.8	-52.6	274.3	25.4	25.3	-1.9	327.3	327.6	0.1	15.6	40.3	82.	
	9.0	90.8	9540.5	300.0	-40-2	99.9	274.3	24.5	24.4	-1.8	328.7	999.9	99.9	999.9	43.5	82.	
	11.4	95.5	10128.6	275.0	-45.0	99.9	279.4	22.5	22.2	-3.7	330.0	999.9	99.9	999.9	47.1	83.	
	3.9	100.2	10757.7	250 • 0	-50.4	99.9	277.6	25.8	25.5	-3.4	331.2	998.9	99.9	999.9	50.7	85.	
	6.7	105.4	11438.8	225e0	-54.6	99.9	282.4	29.2	28.6	-6.3	334.9	999.9	99.9	999.9	55.2	86.	
	9.8	110.6	12186.2	200.0	-58.2	99.9	290.7	21.7	20.3	-7.7	340.6	999.9	99.9	99 9. 9	59. 8	87.	
	3.0	116-5	13023.2	175.0	-61.1	99.9	262.3	25.1	24.9	3. 3	349.0	999.9	99.9	999.9	63.9	88.	
	6.8	123.3	13984.5	150.0	-59.1	99.9	272.4	35.8	35.7	-1.5	368.3	999.9	99.9	999.9	71.1	88.	
	0.9	130-3	15123-5	125.0	-61.1	99.9	265.9	24.5	24.5	1.7	384.3	999.9	99.9	999.9	78.3	89.	
	5.8	128.0	16487.6	100.0	-66.2	99.9	270.9	23.4	23.4	-0.4	399. 9	999.9	99.9	999.9	85.7	89.	
	12.0	146.3	18220.7	75.0	-69•8	99.9	273.8	18.4	18.4	-1.2	426.5	999.9	99.9	999.9	91.4	89.	
	10.4	155.7	20710.5	50.0	-58.2	99.9	232-1	4.0	3.2	2.5	506.4	999.9	9949	999.9	92.1	89.	
9	9.9	99-9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	9992	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232 BOOTHVILLE. LA

24 APRIL 1975 1726 GMT

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162

TIME CNTCT HE I GHT PRES. TEMP CEW PT SPEED U COMP DIR V CEMP POT T E POT T MX RTO RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 4. 6 1.0 1019.0 25.6 23.3 170.0 6.7 -1.2 6.6 299.6 346.6 18.0 87.0 0.0 0. 0.0 C. 8 6.2 166.6 1000.0 23.5 21.4 160.9 10.3 -3.4 9.8 298.8 341.3 16.3 88.1 0.4 339. 1.6 E . 5 387.9 975.0 21.2 19.9 167.8 11.6 -2.5 11.4 298.5 338.3 15.2 92.4 1.0 341. 2.5 10.8 613.2 950.0 20.0 16.3 176.6 12.5 -0.7 12.5 299.4 336.7 14.1 89.9 1.6 346. 3.4 13.3 843.6 925.0 19.2 180.1 300.4 329.8 2.3 359. 14.0 11.1 0.9 11.1 10.9 71.6 4.2 15.6 1079.4 900.0 18.3 12.2 181.8 11.4 0.4 11.4 301.7 328.8 10.0 67.4 2. 8 352. 875.0 1320.6 17.2 9.9 195.5 7.7 7.4 30249 327.0 8.8 61.9 3.4 354. 5.2 18.0 2.0 304.6 324.8 51.3 3.7 357. 6-2 20.5 1568.2 850.0 16.7 6.6 196.9 6.5 1.9 6.2 7.2 1822.3 201.9 306.3 323.4 6.0 43.5 4.1 359. 7.2 23.0 825.0 16.0 3.6 6.0 2.3 5.6 25.5 2082.9 800a0 14.0 0.7 211.6 3.1 5.0 306.7 321.2 5.0 40.2 4.4 8.3 5.9 1. 28. 1 2349.8 775.0 -1.8 215.0 3.3 307.9 320.6 36.7 4.7 9.2 12.6 5.8 4.8 4.3 э. 10.3 30.9 2624.5 750.0 11.7 -5.0 209.7 5.0 2.5 4.4 309.8 320.2 3.5 30.5 5-0 6. 11.3 2907.9 725.0 -14.7 208.3 1.1 2.1 312.6 317.9 1.7 14.2 5.3 7. 33.6 11.8 2.4 12.3 36.1 3200.2 700.0 10.4 -18.1 12.6 0.9 -0.2 -C.9 314.2 318.4 1.3 11.7 5.3 7. 13.4 39.0 3501.1 675.0 8.0 -16.8 54.7 0.9 -0.7 -0.5 314.7 319.6 1.5 15.3 5. 2 6. 14.6 41.7 3810.9 650.0 5.5 -17.6 343.2 1.3 0.4 -1.2 315.4 320.1 1.5 16.9 5.2 6. 15.8 44.6 4129.4 625.0 -17.2 308.9 1.1 0.9 -0.7 315.4 320.5 1.6 21.9 5.0 7. 2.4 17.1 47.6 4457.5 600.0 -0.6 -15.1 270.8 1.2 1.2 -0.0 315.5 321.9 2.0 32.4 5. 0 8. 9. 18.2 50.6 4796.1 575.0 -3.4 -11.6 246.2 2.1 0.9 316.3 324.8 2.7 53.1 5. 1 2.3 19.5 53.6 5146.3 550.0 -5.7 -12.3 245.8 4.4 4.1 1.8 317.7 326.1 2.7 59.2 5. 2 11. 325.2 20.8 56.6 5509.3 525.0 -8.4 -15.9 258.1 6.8 6.6 1.4 318.5 2.1 55.0 5.5 15. 22.1 59.9 5886.0 500.0 -11.2 -17.7 260.1 8.9 8.8 1.5 319.6 325.7 1.9 58.6 5.7 21. 325.4 23.6 63.3 6279.2 475.0 -12.5 -27.3 261.3 12.7 12.5 1.9 322.5 0.9 27.7 6.3 26. 24.8 66.5 6689.7 450.0 -15.7 -29.2 265.7 13.G 12.9 1.0 323.6 326.2 0.7 30.0 6.9 35. 327 . 6 44.9 7.6 42. 26.4 70.0 7117.9 425.0 -19.1 -28.0 268.0 13.9 13.9 0.5 324.6 0.9 326.3 328.0 26.1 847 49. 27.9 73.5 7566.5 400.0 -22.0 -35.5 270.2 18.2 18.2 -0.1 0.5 327.4 39.7 10.2 574 29.5 77.3 8037.8 375.0 -25.8 -35.5 274.1 20.9 20.8 -1.5 329.1 0.5 31.1 21.1 8533.7 350.0 -29.9 -40-4 277.3 20.4 20.2 -2.6 328.4 329.6 0.3 34.6 11.8 62. 9057.4 329.4 330 . 1 31.1 13.5 32.7 £5.3 325.0 -34.3 -45.4 283.0 21.8 21.2 -5.2 0.2 68. -37.4 34.5 89.4 9613.2 300.0 -45.2 284.4 30.8 29.8 -7.6 332.6 333.5 0.2 43.4 16.1 75. 37.1 94.0 10209.4 275.0 -41.6 99.9 282.2 30.6 29.9 -6.4 335.0 999.9 99.9 999.9 20. 1 81. 39.2 98.6 10848.6 -47.4 99.9 276-1 31.0 -3.3 335.6 999.9 99.9 999.9 23.7 84. 250.0 31.2 103.4 11536.3 -53.2 99.9 277.4 32.1 31.8 336.9 999.9 99.9 999.9 27.8 85. 41.4 225.0 -4. I 43.5 :09.0 12283.0 200.0 -59.6 99.9 286.9 32.6 31.2 -9.5 338.4 999.9 99.9 999.9 32.3 86. 25.2 345.2 999.9 99.9 999.9 37.1 91. 46.7 114.7 13110.0 175.0 -63.5 99.9 262.7 25.8 -5.7 49.9 121.0 14060.6 150.0 -61.0 99.9 274.6 35.3 35.1 -2.8 365.0 999.9 99.9 999.9 42.7 91. 998.9 53.5 127.8 15185.8 125.0 -64.6 99.9 259.6 22.4 22.0 4.1 376.0 999.9 99.9 49.0 91. 58.0 135.7 16536.4 100.0 -69.1 99.9 271.9 13.1 13.1 -0.4 394.2 999.9 99.9 999.9 54.1 91. 63.7 143.3 18233.8 -70.0 11.9 11.7 426.2 999.9 99.9 999.9 57.8 91. 75.0 99.9 280.0 -2.1 505.1 999.9 99.9 999.9 58.5 92. 71.5 152-0 20717.8 50.0 -58.8 99.9 311.5 3.5 2.6 -2.3

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

-50.6

99.9

32.4

25.0

84.8

162.0

25163.4

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4.9

639.2

-4.2

999.9

99.9

999.9

58**.** 1

94.

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 235 JACKSON. MISS

#### 24 APRIL 1975 1715 GMT

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH .	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.3	100.0	1006.0	27.8	19.3	210.0	6.2	3.1	5.4	302.4	340+3	14.2	6C.0	0.0	0.
0.2	4.8	153.0	1000.0	25.8	18.1	196.5	9-1	2.6	8.7	300.8	336.0	13.2	62.5	0.2	360.
1.0	6.7	375.4	975.0	23.3	10.7	190.7	9.5	1.8	9.4	300.3	333.2	12.4	66.3	0.6	6.
1.9	9 <sub>0</sub> 0	601.7	950.0	21.2	15.9	197.9	10.3	3.2	9.8	300.3	332.5	12.0	71.5	1.1	9.
2.5	11.0	832.3	925.0	19.0	15.8	203.8	11.7	4.7	10.7	300.4	333.4	12.4	82.0	1.5	12,
3.3	13.3	1067.7	900.0	16.8	14.1	208.3	11-1	5.3	9. 8	300.3	330.7	11.3	84.1	2.0	17.
4.3	15.5	1367.7	875.0	14.7	12.5	215.8	13.0	7.6	10.6	300.5	328.7	10.5	86.6	2.7	19.
5.1	17.7	1552.8	850.0	14.2	8.0	238-9	14.7	12.6	7.6	302.1	324.2	8 · 1	67.5	3. 3	25.
5.1	20.1	1805.5	825.0	14.5	2.9	251.5	18,8	17.9	€.0	304.7	321.0	5.7	45.5	4.1	35.
7.1	22.3	2065.1	800.0	13.0	1.6	247.0	19.6	18+1	7.47	305.7	321.0	5.4	45.8	5 <b>.</b> 1	42.
8.2	24.7	2331.6	775.0	12.9	-2.4	256.6	19.7	19.2	4.6	308.2	320.3	4.1	34.5	6.3	47.
9.1	. 27. 0	2606.7	750.0	12.6	-6.8	266.9	17.5	17.5	1.0	310.7	319.9	3.1	25. i	7.2	
10.0	29.5	2890.2	725.0	10.7	-8.9	265.7	15.1	15.1	1.1	311.5	319.7	2.7	24.2	7.9	57.
11.1	32.1	3181.3	700.0	8.9	-10.6	251.9	15.0	14.2	4.6	312.7	320.1	2.4	23.9	8.5	59•
12.2	34, 9	3480.9	675.0	6.6	-10.6	241.9	16.2	14.3	7.6	313.3	321.1	2•5	28.1	9. 8	60.
13.2	37.4	3790.0	650.0	5.1	-10.5	244.6	17.1	15.5	7.3	315.1	323.3	2.7	31.3	-10.8	5 C •
14.4	40.2	4108.5	625.0	2.4	-12.9	255.3	16.2	15.7	4. 1	315.4	322.5	2.3	31.3	12.0	61.
15.4	43.0	4436.4	600.0	-0.8	-14.8	264.4	15.9	15.8	1.6	315.5	321.8	2.0	33.7	12.9	
16.7	46.0	4774.6	575.0	-3.8	-11-1	263.8	19.6	19.5	2.1	315.9	324.7	2.9	56.7	14.2	
17.9	749.0	\$123.5	550.0	-7.3	-12+6	262.5	19.2	19.0	2.5	315.8	324.0	2.6	65.5	15.5	
19.2	52.0	5484.7	525.0	-9.6	-11.9	266.5	18.3	18.3	1.1	317.2	326.2	2.9	83.0	17.0	67.
20.4	55.2	5860.0	500.0	-12.7	+14.7	268.6	20.1	20 • 1	0.5	317.€	325.5	.2.5	85.1	18.3	69
21.9	56.4	6249.8	475.0	-15.0	-23.2	269.5	21.8	21.8	0.2	319.5	323.9	1.3	54.3	19.9	
23.3	62.0	6657.3	450.0	-17.2	-34.6	269.9	20.7	20.7	0.0	321.6	323.2	0.4	20.3	21.7	72.
24.7	65.6	7082.9	425.0	-20.7	-37.4	267.1	39.9	19.9	1.0	322.4	323.7	0.4	20.5	23.5	74.
26.3	69.3	7528.6	400.0	-23.7	-39.9	266.3	20.5	20.5	1.3	324.1	325.2	0.3	20.7	25.2	
28.0	73.0	7996.5	375.0	-27.5	-43.0	263.0	20.6	20.4	2.5	325.2	326.0	0.2	20.9	27.3	75.
29.7	77.2	8488.6	350.0	-32.0	-46.7	263.9	23.1	22.9	2.5	325.6	326.2	0 0 2	21.2	29.4	750
31.4	81.3	9007.3	325.0	-36.4	-50.5	262.8	22.6	22.4	2.9	326.5	326.9	0.1	21.5	32.0	
33.4	85.7	9557.5	300.0	-40.7	99.9	268.0	23.9	23.9	0.8	328.0	999.9	99•9	999.9	34.3	77.
35.4	90.6	10143.5	275.0	-45.7	99.9	273.1	25.6	25.6	-1.4	329.0	999.9	99.9	999.9	37. 3	78.
37-5	95.6	10771.6	250.0	-50.6	99.9	275.3	28.4	28.2	-2.6	330.9	999.9	99.9	999.9	40.7	50e
39.9	101.0	11451.5	225.0	-54.7	99.9	279.3	30.8	30.4	~ E. O.	334.6	999.9	99.9	999.9	45.0	81.
42.7	107-0	12198-6	200.0	-58.1	99.9	281.2	25.8	25.3	-5.0	340.7	999.9	99.9	999.9	49.9	83.
45.5	113.3	13037.0	175.0	-58.2	99.9	264-1	29.8	29.6	3.1	353.9	999.9	99.9	999.9	54.1	84.
48.8	120.3	14004-2	150.0	-60.2	99.9	272.4	27.6	27.5	-1.2	366.4	999.9	99.9	999.9	60.1	84.
52.6	128.0	15130.9	125.0	-63.7	99.9	273.9	27.6	27.5	-1.9	379.6	999.9	99.5	999.9	66.6	
57.1	136.7	16483.9	100.0	-68.0	99.9	266.4	22.0	22.0	1.4	396.3	999.9	99.9	999.9	73.6	
62.7	145.0	18206.8	75.0	-67.8	99.9	281.4	13,2	13.0	-2.6	430.7	999.9	99.9	999.9	78.4	
7004	154.3	20705.5	50.0	-57.7	99.9	326.1	8.5	4.8	-7-1	507.7	999.9	99.9	999.9	80.5	85.
82.4	164-0	2515C.5	25.0	-50.5	99.9	254.9	3.7	3.6	1.0	639.5	999.9	99.9	999.9	81.4	86.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

24 APRIL 1975 1715 GMT

						24	APRIL	1975							
							1715 G	MT					1:	57 16	• 0
TIME	CNTCT	HE I GHT	PRES	TEPP	CEW PT	DIR	SPEED	U COMP	V. CEMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM.	DG
												47.0			_
0.0	3.5	5.0	1017.3	26.7	22.3	160.0	8.8	-3.0	e. 3	300.7	345.4	17.0	77.0	0.0	0.
0.8	4.7	157.0	1000-0	25.4	21.3	170.6	12.4	-2.0	12.2	300.7	343.5	16.2	78-1		352.
1.8	6.4	379.1	975.0	22.0	19.9	173.4	12.1	-1.4	12.0	299.3	339.2	15.2	87.9	1.3	
2.7	8.3	604.9	950•0	20•2	17.3	185.1	14.9	1 . 3	14.8	299.5	334.7	13.3	83.7	2.0	
3.4	10.3	835.9	925.0	20.8	13.5	188.0	16.5	2.3	16.3	302.0	330 . 6	10.6	63.0	2.7	
4.3	12.1	1072.6	900.0	19+5	10.5	190.5	12.9	2.4	12.7	302.8	327.3	8.9	56.0	3.5	0.
5.3	14.2	1314.7	875.0	17.3	9.7	186.9	12.4	1.5	12.3	303.0	326.9 325.5	8.7	60.9	4.2	2.
6.2	16-1	1561.0	850.0	15.6	7.9	189.1	13.2	2.1	13.1	303.6	324.1	7•9 6•8	60•2 52•8	5.7	2.
7•2	18.2	1815.1	825.0	14.8	5.2	196.4	13.4	3.8 5.2	12.9	305•1 306•7	325.1	6.5	52.1	6.4	4. 6.
8.3	20.3	2075.3	800.0	13.6	4.2	205•3 209•2	12.2	7.0	12.5	308.1	321.9	4.8	39.8	7.1	8.
9.2	22.4	2342.6	775.0	12.7	-0.7 -13.8	216-1	14.3 12.6	7.4	10.2	311.4	316.9	1.7	13.6	7.9	10.
10.1	24.7 26.8	2617.9	750.0 725.0	13.5 12.6	-12.7	223.4	11.1	7.7	e. 1	313.5	319.8	2.0	15.9	8.4	13.
11.1	29.3	2902•5 3196•0	700.0	11.0	-10.1	219.9	11.8	7.6	9.0	315.0	322.9	2.5	21.6	9. 0	15.
13.1	31.8	3498.0	675.0	8.8	-11.8	218.1	11.8	7.3	9. 2	315.8	323.0	2.3	21.8	9. 7	17.
14.1	34.3	3808.7	650.0	6.2	-11.7	218.3	11.1	6.9	8.7	316.3	323.8	2.4	26.3	10.3	18.
15.1	36.8	4128.7	625.0	3.6	-13.9	230.2	8.9	6.8	5.7	316.8	323.4	2.1	26.4	10.9	19.
16.2	39.5	4458.6	600.0	0.8	-16.2	245.7	7.5	6.8	3.1	317.3	323.0	1.8	26.5	11.3	21.
17.3	42.1	4798.6	575.0	-2.0	-19.6	237.2	8.0	6.7	4.3	317.8	322.4	1.4	24.7	11.6	23.
18.6	45.0	5150-9	550.0	-4.1	-11.7	220.7	10.2	6.6	7.7	319.5	328 • 4	2.8	55.4	12.3	24.
19.7	48.0	5515.6	525.0	-7.6	-13,2	224.5	10.1	7.1	7.2	319.6	327.9	2.6	64.1	12.9	25.
21.0	51.0	5893.5	500.0	-10.5	-20.5	243.4	9.6	8.6	4.3	320.4	325.3	1.5	43.5	13.6	26.
22.3	54.3	6286.6	475.0	-12.9	-28.3	255.4	13-1	12.7	3. 3	322.0	324.7	0.8	26.3	14.2	
23.5	57.4	6696•6	450.0	-16.0	-25.5	250.3	15.6	14.7	5.3	323, 3	326.8	1.1	43.3	15.1	32.
24.9	60.9	7124.0	425.0	-19.7	-33.7	251.2	17.2	16.3	5.6	323.8	325.6	0.5	27.2	16.1	35.
26.4	64.7	7571.7	400.0	-22.9	-33,6	254.0	20.3	19.5	5.6	325.2	327.2	0.6	37.0	17.5	38.
28.1	66.3	8040.9	375.0	-27.0	-46.0	261.2	20.6	20.3	3.1	325.8	326.7	0.3	23.3	19.1	42.
30.0	72.2	8536+3	350.0	-29.7	-62.6	254.4	20.1	20.0	1.9	328.6	328.6	0.0	2.4	20.9	46.
31.9	76.4	9060.2	325.0	-34.0	-56.0	27403	23.0	23.0	-1.9	329.7	330.0	0.1	8. 7	22.6	50.
33.7	eo. 7	9617.4	300.0	-36.8	-46.7	276.0	31.6	31.4	-3.3	333.4	334.1	0.2	34.8	24.7	55.
35.5	85.5	10214.1	275.0	-41.4	99.9	273.6	34.9	34.8	-2.2	335.3	999.9	99.9	999.9	27.9	60.
37.6	90.4	19853.7	250.0	-46.7	99.9	274.8	33.8	33.7	-2.9	336.6	999.9	99.9	999.9	31.4	55.
39.7	95.€	11543.2	225.0	-52.7	99.9	276.	36.5	36.3	-4.3	337.8	999.9	99.9	999.9	35.4	68.
42.1	101.5	12293.2	200.0	-58-8	99.9	201.2	36.9	36.2	-7.2	339.7	999.9	99.9.	999.9	40.0	72.
44.9	108.0	13123.3	175.0	~62.5	59.9	291.1	45.0	41.9	-16,2	346.9	999.9	99.9	999.9	46.1	77.
47.9	114.8	14072.7	150.0	-61.9	59.9	266.6	32.7	32.6	2.0	363.5	999.9	99.9	999.9	51.2	.80·
51.7	122.3	15203.6	125.0	-62.9	99.9	256.1	18.2	17.7	4.4	381.1	999.9	99.9	999.9	57.7	81.
55.9	120.3	16556.2	100.0	-68.4	.99.9	270.7	14.5	14.5	-0.2	395.6	999.9	99.9	999.9	62.9	61.
61.4	138.8	16273.8	75e0	-68.0	99.9	261.6	15.9	15.7	2.3	430.5	999.9	99.9	999.9	66.6	81.
69.4	147.3	20778.9	50.0	-59.6	99.9	53.5	0.8	-0.6	-0.5	503.1	999,9	99.9	999.9	68.3	81.
0.0	100 0	******	25.0	-51.0	00.0	710.0	A - 1	2.7	-7.1	675.6	999-9	90.9	000.0	68. A	AT.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 248 SHREVEPORT. LA

24 APRIL 1975 1801 GMT

162 11. 0 TIME CATCT HE I GHT PRES TEMP CEW PT DIR SPEED U COMP V CCMP POT T F POT T MX RTO RH RANGE AZ MIN GEM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 79.0 1005-4 27.2 16.8 190.0 1.3 7. 1 301.5 334.0 12.1 53.0 0.0 0. 4.2 . 7.2 0.1 4.6 126.8 1000-0 27.0 17.0 180-6 10.2 0.1 10.2 301.8 334 - 8 12.3 54.4 C . 2 7. 11.8 1.0 6.3 350.3 975.0 25.1 16.0 176.0 9.8 -0.2 9.8 302.0 333.8 57.0 C- 7 5. 1.8 8.3 578.2 950-0 23.3 15.9 194-6 7.7 1.9 7-4 302.5 335.0 12.1 63.2 1.0 5. 810.5 14.3 200.5 302.2 332.4 11.2 2.9 10.3 925.0 20.9 9.7 3.4 9.0 66.2 1.5 10-1047.2 12.8 11.4 9.7 302.7 331.0 10.4 66.4 2.2 12.2 900-6 19.2 212-0 6.0 15-3.9 1289.1 17.7 215.7 15.4 9-0 12-5 303.2 325 - 5 8.1 55.3 2.9 19. 4.5 14.3 875.0 8.6 16.3 1537-0 850-0 17-4 7.2 224.2 18.5 12-9 13.3 305.4 326.5 7.5 51.2 3.8 24. 5.7 1791.6 15.6 227.0 20.0 13.6 306-2 328.3 58.2 4.7 29. 5-5 18.5 82550 7.4 14.6 7.9 7-5 20.6 20 5 2 . 3 800.0 14.0 3.5 225.8 19.5 14.0 13.6 306.9 324.4 6.2 49.1 5.9 32. 2319.4 308.0 323.5 45.9 7.1 35. 8.7 22.7 775.0 12.5 1.2 237.4 18.8 15.8 10.1 5.4 9.9 25.1 2594.0 750.0 11.7 -7.3 252.0 15.8 4.9 309.7 318.5 2.9 25.6 8.3 40. 16.6 27.3 2976.4 725.0 9.9 -15.0 246.8 11.7 10.8 4.6 310.5 315.7 1.7 15.8 9.2 44. 11.0 44. 12.1 25.7 3167.5 700.0 9.8 -16.1 213.0 7.3 4.0 6.1 313.5 318.4 1.6 14.4 9.7 13.3 32.2 3468.4 675.0 8.2 -19.1 206.4 9.6 4.3 8.6 314.5 319.0 1.3 12.6 10.2 43. 14.6 34.9 3778.3 650.C 6.1 -19.7 223.0 12.1 8.2 8.9 316.0 320.0 1.2 13.7 11.1 420 37.2 4098-0 625.0 3.6 -19-5 230.5 12.3 9.5 7.8 316.7 321.0 1.3 16.5 12.0 43. 15.8 4427.3 317.0 320 . 4 15.3 12.9 43. 17.1 40.0 600.0 0.7 -22.7 239.7 13.4 11.6 6.8 1.0 4767.2 317.1 320.3 1.0 17.5 14.0 45. 42.5 575.0 -2.6 -23.9 252.9 13.7 13.1 4-0 18.5 0.7 14.7 15.1 20.0 45.3 5117.4 550.0 -5.7 -28.4 259.2 14.0 13.7 2.6 317.3 319.6 484 319.0 0.3 7.8 50. 48.3 5479.9 525.0 -8.7 -37.2 253.2 14.5 13.9 4.2 317.9 16.1 21.4 585544 500.0 -12.0 -39.9 245.9 16.8 15.3 6.8 318.3 319.2 0.2 7.0 17.5 51. 23.0 51.1 19.1 53. 24.5 6246.3 475.C -14-1 -43.0 21.4 20.2 7.1 320.5 321.2 0.2 6.5 54. 2 250.8 6554.5 -16.B +45.9 251.9 21.3 20.2 322.0 322.5 0.1 5.9 21.3 55. 26.1 57.1 450.0 6.6 4.9 27.8 60.4 7081.2 425.0 -19.6 -47.5 254.1 18.0 17.3 323.9 324.3 0.1 6.3 23.2 56. 324.6 29.6 7528-1 -23.3 -49.8 254.0 19.2 18.4 5. J 325.0 0.1 6.7 25.0 56. 64.0 400.0 31.4 67.4 7997-1 375.0 -27.1 -52.1 258.8 20.6 20.2 4.0 325.7 326.0 0.1 7.1 27. 0 59. 71.0 8490.5 -54.4 259.5 18.4 18.1 3.4 327.4 327.7 0.1 7.6 29.0 òl. 33.3 350.0 -30.6 0.0 31.9 35.3 75.0 9012-6 325.0 ~34.8 -57.2 262.2 27.2 26.9 3.7 328.6 328.8 8. 1 62. 9566.0 99.9 999.9 37.7 79.2 -39.7 25.0 0.5 329.3 999.9 34.9 65. 300.0 99.9 268.8 25.0 10154.8 31.1 330.8 999.9 99.9 999.9 38. 7 67. 83.5 275.0 -44.5 99.9 266.1 31.2 2.1 46.0 999.9 10787.3 99.9 999.9 42. 9 42.4 68.0 250.0 -48.9 99.9 277.1 35.4 35.2 -4.4 333.3 60. 999.9 99.5 964.9 48.7 73. 11471.1 99.9 275.1 41.6 -3.7 335.1 45.0 93.2 225.0 -54-5 41.5 39.6 338.3 999.9 12217.2 -59.7 -6.3 99.9 999.9 54.7 76. 47.5 98.5 200.0 99.9 279.1 40.1 175.0 37.1 -7.5 344.4 999.9 99.9 999.9 62.0 79. 50.9 104-3 13042.9 -63.9 99.9 281.5 37.8 366.5 54.6 111.0 13994.6 150.0 -60-1 99.9 260.8 28.5 28.1 4.5 99949 99.9 999.9 69.5 80. 31.0 382.3 58.7 116.7 15131.7 125.0 -62.2 99.9 268.6 31.0 0.8 999.9 99.9 999.9 76.0 80. 63.5 127.7 16494.2 100.0 -67.3 99.9 269.5 22.0 22.0 0.2 397.7 999.9 99.9 999.9 84.4 81. 138.0 18225.9 99.9 271.8 -0<sub>0</sub> 3 430.2 999.9 99.9 999.9 89.4 .. 69.8 75.0 -68.1 9.2 9.2 78.4 148.7 20719.6 -55.7 99.9 283.1 -2.9 512.2 999.9 99.9 999.9 92.8 81. 50.0 12.8 12.5

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<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEPP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255 VICTORIA. TEX

#### 24 APRIL 1975 1715 GMT

160

22. 0

TIME CNTCT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO DH **HEIGHT** RANGE AZ M/SEC M/SEC GM/KG PCT DG MIN GFM MB DG C DG C DG M/SEC DG K DG K KM 304.0 347.4 0.0 1009.6 0.0 11.3 16.2 62.0 0. 0.0 4.1 33.0 29.5 21.4 180.0 11.3 64.0 19.5 999.9 99.9 99.9 99.9 302.1 340.8 14.5 999.9 999. 0.2 4.9 118.1 1000.0 26.9 301.9 999.9 339.9 70.1 999. 5 999. 0.7 6.8 341.7 975.0 24.7 18.8 99.9 99.9 99.9 14.2 99.9 301.8 75.3 950.0 22.4 17.8 999.9 99.9 99: 9 338.2 13.7 999. 9 999. 1.5 5.0 509.3 338.2 2. 2 11.0 20103 925.0 20.4 17.2 186.7 14.1 2.1 13.9 301.9 13.5 82.3 1.4 1. 3.1 13.3 1037.9 900-0 18.8 12.6 190.3 19.2 3.4 18.9 302.3 330.4 10.3 67.4 2.3 4. 15.5 1279.9 875.0 18-1 8.9 187.9 18.9 2.6 18.7 303.8 326.5 8.2 54.8 3.5 6. 4.0 305.1 322.2 41.6 4.3 4.8 17.8 1527.7 850.0 17.3 4.0 182.0 15.5 0.6 £5.5 6.1 6. 5.0 5.6 20.2 1782.0 825.0 15.8 -0.7 177.2 16.5 -0.8 16.4 305.9 318.6 4.4 32.4 5. -7.9 15.9 308.4 316.5 2.7 18.9 €.4 22.5 2043.0 800.5 15.9 182.8 15.9 0.8 5.8 4. 2312.6 775.0 15.4 912.0 317.1 6.7 4. 7.4 25.0 16.7 -14.4 189-1 15.6 2.5 1.6 20.6 27.3 7.7 5. 8.4 259C.8 750.0 15.8 -18.0 188.7 13.5 2.1 13.4 313.9 317.9 1.2 8.2 9.4 30.0 2877.6 725.0 15.5 -17.9 185.0 10.3 0.9 10. 3 316.6 320.7 1.3 8.5 8.4 ٤. 10.3 32. T 3174.1 700.0 14.1 -18.0 187.2 7.1 0.9 7.0 318.3 322.6 1.3 9.2 8.9 11.2 35.4 3479.4 675.0 11.7 -7.8 197.4 4.0 1.2 3.8 319.1 329.0 3//2 25.3 9.1 12.3 38. 0 3793-1 650.0 8.7 -6.7 223.0 6.2 4.2 4.5 319.3 330.3 3, 6 32.8 9.3 6. 13, 4 4C. 7 4116-1 625.0 6.0 -8.1 237.3 6.5 5.5 3.5 319.7 330.0 3. 3 35.6 9. 7 8. 43.6 4448.5 60050 243.3 328 . 4 37.3 9. 9 14.4 2.6 -10.5 6.4 5.7 2.9 319.5 2.9 15.5 46.7 4790.8 575.0 -0.7 -10.7 260.2 6.4 6.3 1,1 319.5 328.7 3.0 46.9 10.1 5143.9 550.0 -18.2 207.0 319.8 325.2 1.7 31.5 10.3 15. 16.7 49.8 -3.8 6.2 6.2 0.3 17.9 52.8 5509.1 525.0 -7-1 -20.8 251.3 6.2 5.9 2.0 320.1 324.6 1.4 32.3 10.4 17. 19. L EE. 9 5887.5 500.0 -9.9 -24.3 249.9 7.9 2.9 321.1 324.7 1.1 29.6 10.7 19. 8.4 -12.2 11.3 20.4 59. 3 6281.2 475.0 -32.0 246-1 13.7 12.5 5.5 322.8 324.7 0.5 17.3 22. 450.0 250.3 325.6 0.6 22.0 12.2 21 . 7 62.3 6692.1 -15.6 -32.4 16.0 15.1 5.4 323.6 26. 23.0 čć. 3 7121.1 425. G -18.7 -31.4 245.9 17-1 15.6 7.0 325.1 327.3 0.6 31,4 13.2 30. 328.0 10.8 24.5 70.1 7570.9 400.0 -20.8 -43.5 254.2 20.9 20.2 5.7 328.7 0.2 14.5 34. 330.0 0.4 38. 25.8 73.5 8045.3 375.0 -23.8 -38.8 264.0 22.4 22.3 2.3 331.3 24.7 15.7 33% o 3 27.4 77.3 2545-2 350.0 -27.7 -35.5 272.7 25.0 25.0 -1.2 331.5 0.5 46.6 17.3 44-272.7 25.9 334 :4 49.3 222 2 **22.** 0 9074.0 325.0 -31.7 -36.7 25.9 -1.2 332-9 0-4 19.1 50. 31.1 86.4 9635.9 300.0 -35.7 -47.6 274.9 27.7 27.6 -2.4 335.0 335.7 0.2 27.9 21.4 56. 10233.9 33.1 91.3 275.0 99.9 271.7 30.9 -0.9 336.0 399.9 99.9 999.9 24.4 -40.9 30.9 61. 35.1 96.3 10874.0 250.0 268.6 32.7 32.7 C. 9 336.€ 999.9 99.9 999.9 27.7 -46.6 99.9 65. 37.3 101.6 -52.6 99.9 31.4 -0.6 999.9 99.9 999.9 31.7 11563.9 225.0 271.2 31.4 337.9 66. 107.8 200.0 37.5 -5.9 39.6 12313.1 -59.3 99.9 279.1 37.9 338.9 999.9 99.9 999.9 36.2 71. -65.5 114.0 13137.5 175.0 40.6 -12.0 341.9 999.9 99.9 999.9 41.8 76. 42.3 99.9 286.4 42.3 AGO 45.0 120.5 14077.4 150.0 -65.7 272.3 27.4 27.3 -1.1 356.9 999.9 99.9 999.9 46. 9 99.9 23.9 48.5 128.3 15186.0 125.0 -66.4 99.9 269.9 23.9 374.8 999.9 99.9 999.9 53.6 0.0 BC. 52.9 136.7 16526.5 100.0 -68.9 265.2 1. 3 394.6 999.9 99.9 999.9 58. 9 99.9 16.1 16.1 80 . 4.6 58.0 144.7 18247-1 75.0 -68.6 99.9 243.6 10.5 9.4 429.0 999.9 99.9 999.9 62.5 80. 20730.1 64.7 153.0 50.0 -58.5 99.9 47.2 5.3 -3.9 -3.6 505.7 999.9 99.9 999.9 64.2 80. 999.9 999.9

-50.6

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- 25.0

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-1.1

-0.5

639.2

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62.5

81.

<sup>.</sup> PY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260 STEPHENVILLE. TEX

24 APRIL 1975 1715 GMT

U COMP

V COMP

POT T

E POT T

999.9

999.9

959.9

999.9

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999.9

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999.9

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999.9

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MX RTO

156

RH

999.9

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67.2

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83. I

90.1

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CNTCT HE I GHT SPEED RANGE AZ GM/KG POT DG MIN GFM MB DG C DG C DG M/SÈC M/SEC M/SEC DG K DG K KM 305.8 341.4 53.0 0.0 0.0 9.7 399.0 964.8 27.8 17.3 200.0 8.8 3.0 8.3 13.1 0. 299. 2 999. 99.9 35.5 99.9 1000-0 99.9 90.0 99-9 99.9 90.0 69.9 99.9 999.9 99.9 999.9 999.9 999.9 99.9 99. 9 99.9 975-0 99.9 99.9 99.9 99.9 99.9 59.9 99.9 99.9 999. 9 999. 536.2 950.0 26.5 17.8 199.3 11.4 3.8 10.7 306.0 343.1 13.6 58.7 0.3 14. 0.3 1 C . 3 13.3 770.8 925.0 23.5 15.9 199.0 12.4 11.7 305.0 338.7 12.4 62.2 G. 6 17. 0.9 4.0 15.6 1005.8 900-0 21.3 13.9 199.9 16.1 15.2 305.0 335.7 11.2 62.6 1.1 18. 1.6 5.5 2.5 17-9 1253.5 875.0 10.3 13-0 207-1 18.9 16.9 305.4 335.0 10.8 66.6 2.0 20. 8-6 210.4 308.3 333.4 51.8 3.0 23. 3.3 20.4 1503.5 850.0 19.9 9.6 19.1 9.7 16.5 9.0 4-1 22.8 1760-5 825.0 19.1 7.5 213.5 13.4 7.4 11.1 309.8 332.4 7.9 46.9 3.9 25. 2024.9 800.0 211.8 7.1 311.2 335.0 51.9 4.5 26. 5.1 25.3 17.8 7.8 8:3 4.4 A. 3 27.8 2295.8 775.0 207.8 6.0 312.1 334.1 7.7 51.9 4. 9 20. 6.1 16.0 6.1 6.8 3.2 7.1 3C. 4 2573.9 750.G 14.2 1.6 203.1 8.3 3.3 7.7 312.7 329.5 5.7 42.3 5.4 26. 33.2 2859-1 725.0 -1.4 195.9 8.3 313.7 327.9 38.5 5. 9 8.2 12.4 . 8.6 2.3 4 . 8 26. 9.2 35. 8 3152.4 700.0 10.9 -7.9 197.6 10.7 3.2 10.2 315.0 324.3 3.0 25.9 6.5 25. 10.3 38.6 3454.3 675.0 8.7 -8.8 205.7 13.3 5.8 12.0 315.7 324.7 2.9 27.9 7.2 24. 41.2 3765.0 650.0 6.0 -6.4 211.5 14.2 7.4 12-1 316.3 327.4 3. 7 40-4 6. 1 25. 11.3 317.5 333.4 12.4 44.2 4085.4 625.0 1. A -2.0 219.0 16.2 10.2 12.6 5.3 65.9 9. 1 24. -1.5 13.5 47.1 4415.9 600.0 0.8 223.1 18.0 12.3 13.2 317.8 334.9 5.7 84.4 10.2 28. -1.9 14.0 14.6 50.2 4756.8 575.0 -8.8 225.5 20.0 14.3 316.2 329.2 3.6 61.5 11.4 29-319.2 323.2 12.7 15.8 53.1 5109-0 550.0 -4.2 -21.7 235.0 20.6 16.9 11.8 1.2 24.1 32. 5473.7 525.0 -7.3 243.5 319.8 324 - 1 31.4 17.0 56.1 -21.4 22.3 20.0 10.0 1.3 14-1 35. -11.1 21.3 247.4 324.2 43.4 15.7 36. 18.3 59.4 5851.1 500.0 -21.1 23.1 8.9 319.6 1.4 247.3 20.6 321.6 321.9 2.5 17.4 19.7 62.9 6242.8 475.0 -13.2 -50.9 19-0 7.9 0.1 41. 21.3 66.1 6652.5 450.0 -15.5 -51.8 245.4 20.2 18.4 8.4 323.6 323.9 0. 1 2.7 19.1 44. 22.8 7081.2 425.0 244.1 20.2 18.1 324.8 325.0 0 - 1 3. I 20.8 45. 69.8 -18.8 -53.1 8.8 7530.2 400.0 252.9 21.3 326.5 325.7 0.1 3.4 22.9 24.6 73.3 -21.9 -54.4 22.3 48. 6.6 26 - 2 77.2 8002.0 375.0 -25.6 254.2 24.1 23.2 327.7 327.9 0-0 3.8 25.0 50. -56.2 6.6 27.8 8497.8 350.0 328 - 6 0.0 26.9 81.0 -29.9 -58.5 257.7 22.8 22.2 4.8 328.4 4.2 52. 29.5 65. I 9021.2 325.0 255.5 27.3 329.4 329.5 0.0 4.7 29.4 54. -34.3 -61.0 26.4 6.8

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42.2

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18.7

11.4

6.4

-2.0

5.6

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3. 1

9.1

1.2

6.0

-1.2

330.3

332.7

335.0

337.0

339.5

344.0

363.5

385.0

399.3

437.0

506.5

638.4

-39.1

-43.1

-47.8

-53.2

-58.9

-64.2

-61.9

-69.8

-66.5

-64.9

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260.8

261.9

260.5

269.0

264=8

255.5

264.2

243.9

264.1

226.8

59.0

300.0

275.0

250.0

225.0

200.0

175.0

150.0

125.0

100.0

50.0

75.0

25.0

9575.9

10167.1

10802.7

11487.5

12238.0

13065.3

14013.6

15150.6

16528.2

18270.5

20799.1

25273.1

PRES

TEMP

DEW PT

DIR

TIME

31.2

33.0

35.0

37.5

40.3

43.1

46.3

50.8

55.6

61.2

69.3

81.6

85.4

54.0

58.6

103.9

109.5

115.4

121.8

129.0

137.0

144.7

153.0

161.3

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EV TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261 DEL RIG. TEX

## 24 APRIL 1975

1715 GMT 160 17. G

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.	0 8.7	314.0	974.1	26.2	19.1	130.0	4.1	-3.1	2.6	303.6	342.4	14.5	65.0	0.0	C.	
99.		99.0	1000-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.		99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.	9 10-9	533.9	950.0	22.7	17.7	140.8	5.1	-2.8	4.2	302.1	338.4	13.6	73.2	0.2	322.	
1.	7 13.3	765.9	925.0	20.6	17.7	144.0	4.5	-2.6	3.6	302.3	339.4	13.9	83.2	G. 5	324.	
2.	5 15.7	1002-8	900.0	18.5	17.1	138.5	3.4	-2.3	2.6	302.4	339.4	13.8	91.8	0.7	323.	
з.	3 - 18 - 1	1244.5	875.0	16.8	15.4	170.2	1.4	-0.2	1.4	302.9	337.4	12.8	92.0	0. 8	322.	
4.	1 20.5	1493.9	850.0	21.1	10-1	294.9	4.5	4.0	-109	309.5	335.8	9.4	. 50.4	C. 8		
5.	1 23.0	1751.8	825.0	15.8	5.7	291.8	6.3	5.9	-2.4	310.4	330.5	7 <b>.</b> 0	39.8	0.5	348.	
. 6.	0 25.6	2016.4	800.0	18.7	-2.2	288.7	7.5	7.2	-2.4	311.6	323.8	4.1	24.4	0.5	36.	
6.		2287.4	775.0	17.3	-36.2	274.0	7.1	7.0	-0.5	312.5	313.3	0.2	1.4	9.7		
7.	9 ~ 31.0	2566.0	750.0	16.8	-39.6	256.9	7.1	6.9	1.6	314.8	315.4	. 0.2	.1.0	1.1	72.	
8.	8.55	2853.6	725.0	15.3	-40.6	250.6	9.1	8.6	3.0	316.2	316.7	0.1	1.0	1.6	73.	
9.		3149.1	700.0	13.1	-41.9	240.0	. 9.6	7.4	4.3	317.0	317.5	0.1	1.0	2. 1	71.	
10.		3452.7	675.0	10.7	-37.6	219.7	9.1	5∙8	7.0	317.6	318.9	0.4	3.2	2.6		
12.		3765.1	650.0	7.6	-14.4	210.5	11.8	6.0	10.2	317.8	323.9	1.9	19.1	3. 2		
13.		4086.5	625.0	5 · 1	-18.9	211.5	11.9	. 6.2	10.2	318.4	322.9	1.4	15.7	3. A		
14.	1 48.0	4417.6	600.0	2.1	-15.0	213.3	12.2	6.7	10.2	318.8	325.1	2.0	26.7	4.6		
15.	2 50.9	4759.2	575 • 0	-1-0	-12-0	555.1	13.9	9.3	10.3	319.1	327.4	2.6	42.8	5. 5	49.	
16.	3 54.0	5111.8	550.0	-4.1	-19.2	232.2	14.5	11.4	8. 9	319.4	324.3	1.5	29.5	6.4	48.	
17.	7 57-1	5476.7	525.0	-6.9	-32.1	245.2	17.3	15.7	7.3	320.1	321.9	0.5	11.3	7.0 7	56.	
19.	0 . 60.6	5655.7	500.0	-9.5	-37.9	251.3	17.7	16.8	5. 7	321.4	322.5	0.3	8.0	9. C	53.	
20.		6245.5	475.0	-12.7	-41.4	257.7	19.6	19.1	4.2	322.2	322.9	6.2	5.9	10.2		
21.		6660.6	450.0	-14.9	-41.0	256.0	23.0	22.3	5.5	324.5	325.3	0.2	8.7	11.9		
23.	0 7C.8	7090.0	425.0	-18.3	-58.7	256.9	21.7	21.1	4.9	325.5	325.6	e. 0	1.8	13.8		
24.		7540.3	400.0	-20.8	-48.3	256.7	21.1	20.6	4.9	327.9	328.4	0.1	8.2	15.7		
26.		8014.1	375.0	-24.5	-31.6	262.3	25.3	25.1	3.4	329.2	331 • 7	0.7	51.6	17.8		
28•		8513.4	350.0	-27.8	-37.5	261.3	31.7	31.3	4.8	331.2	332.8	0 • 4	38.8	20.9		
29.	9 66.3	9041.0	325.0	-32.3	-39.0	261.2	31.0	30.6	4.8	332.1	333.5	0.4	51.5	24.3		
32•		9601.0	300.0	-36.3	-46.7	255.5	30.4	29.5	₹•6	334.2	334 • 9	0.2	33.0	28.0		
34.	-	10199.2	275.0	-40.8	99.9	254.7	31.1	30.0	8. 2	336.2	999.9	99.9	999. 9	31.6		
36•		10839.6	250.0	-46.7	99.9	254.2	33.6	32.3	9.1	336.6	999.9	99.9	999.9	36. 2		
38.		11530.4	225.0	-52.3	99.9	261.3	31.7	31.3	4.8	338.4	999.9	99.9	999.9	40.9		
41.		12291-3	200.0	-58.6	99.9	261.1	40.0	39.5	6.1	340.0	999.9	99•9	999.9	46.9	74.	
44.		13109.3	175.0	-64.7	99.9	260.6	46-1	45.5	7.5	543.3	999.9	99.9	999.9	53.5		
47.		14041-4	150.0	-66.7	99.9	274.4	38.4	38.3	-2.9	355.1	999.9	99.9	999.9	61.3		
50.		15148.2	125.0	-66.0	99.9	258.4	28.2	27.6	5.7	375.5	999.9	99.9	999.9	67.4		
55.		16491.7	100.0	-69.3	<del>\$</del> 9.9	254.5	16.0	15.4	4.3	393.8	999.9	99.9	999.9	73.6		
60.		18158.4	75.0	-67.9	99.9	261.0	17.2	17.0	2.7	430.6	999.9	99.9	999. 3	79.5		
68.		20703.2	50.0	-57.8	99.9	36.3	1.8	-1.1	-1.5	507.3	999.9	99.9	999.9	81.2	_	
79.	7 164-0	25132.1	- 25.0	-52.6	99.9	77.5	4.7	-4.6	-1.0	633.5	999.9	99.9	999.9	80.1	77.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

<sup>\*</sup> EY TERF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> EY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 265

## 24 APRIL 1975 1715 GMT

153

15. 0

TIME CATCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE ΑZ GFM MB DG C DG C M/SEC M/SEC M/SEC DG K GM/KG PCT DG MIN DG DG K K M 0.0 12.4 873.0 912.3 28.9 -0.3 300.0 4.1 3.6 -2.0 310.7 322.8 4.1 15.0 0.0 0 99.9 99. 9 95.9 1000.0 99.9 99.9 99.9 199.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 999.9 995.9 995. 90.0 99.9 99.9 975.0 59.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 934. 99.9 99.9 £9.9 950.0 99.9 99.9 99.9 99.9 99.9 59.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 594. 0.4 13.5 992.9 900.0 26.2 -1.4 288.6 9-1 8.6 -2.9 309.0 320.3 3.8 16.2 0.3 135. 15.7 1239.4 875.0 24.0 -3.4 295.6 7.3 -3.5 309.2 319.3 3.4 16.0 G. 5 123. 1.1 8.1 17.0 0.9 122. 2.0 18.0 1491.2 850.0 21.6 -4.4 301.6 5.6 4.8 -2.9 309.3 319.0 3.3 -5.3 309.2 318.6 18.6 1.2 123. 2.9 20.4 1748.6 825.0 19.1 303.8 5.2 4.3 -2.9 3.1 309.2 3. 1 20.9 1.4 122. 319.5 3.5 22.7 2011.4 800.0 16.6 -5.6 278.0 4.1 4.1 -0.6 309.4 319.6 3.4 26.6 1.5 116. 4.5 25.2 2280-1 775.0 14.0 -4.9 241.2 3.7 3.2 1.8 1.7 105. 5.5 27.6 2555.3 750.0 11.4 -4.3 234.5 6.5 5.3 3.8 309.4 320.0 3.6 31.4 -18.7 311.9 315.7 10.5 2.0 98. 0.4 30.2 2838.1 725.0 11.2 241.3 8.2 7.2 3.9 1. 2 10.3 92. 7.4 32.9 3129.3 700.0 8.8 -20.8 251.3 10.4 9.9 3.3 312.3 315.7 1.0 2.5 3. 1 99. 5.0 10.2 8.3 35.5 3428.6 675.0 6.6 -22.6 245.8 12.2 11.1 313.1 316.1 0.9 316.7 10.2 3.8 82. 9.4 32.2 3736.7 650.0 4.4 -24.3 236.9 13.5 11.3 7.4 314.0 0.8 77. 19.5 40.9 4054.2 625.0 1.7 -26.1 235.2 15.1 12.4 8.6 314.4 316.8 0.7 10.5 4.6 43.8 4392.1 600.0 0.5 -26.9 243.4 18.6 16.6 8. 3 310.8 319.1 0.7 10.6 5. 5 73. 11.6 46.5 4722.7 575.0 -0.7 -30.1 243.6 23.5 21.0 10.5 319.3 321.1 0.5 8+6 7.4 72. 12.9 9.2 14-1 49.5 5075.9 550.0 4 3.5 -31.7 237.6 24.7 20.8 13.2 320.3 322.0 0.5 8.8 69. 11.0 15.4 52.8 5442.0 525.0 -6.2 -33.6 235.5 24.2 20.0 13.7 321.0 322.5 0.4 9.2 57. 322.8 9.5 13.0 55. 16.7 55.9 5821.0 500.0 -9.5 -35.6 235.5 25.0 20.6 14.2 321.5 0.4 12.8 321.8 322.9 0.3 9.5 15.1 64. 18.3 59.1 6214.4 475.0 -13.0 -38.2 237.6 23.9 20.2 324.2 17.2 -40.1 10.2 63. 19.7 £2.6 6624.6 450.0 -15.8 240.2 23.7 20.6 11.8 323.3 0.3 324.7 325.5 10.6 19.3 63. 21.2 66. C 7052.4 425.0 -18.9 -42.3 243.2 24.2 21.6 10.9 0.2 22.6 65.6 7501.2 400.0 -22.3 -44.7 248.0 24.0 22.2 9.0 325.9 326.6 0.2 11.0 21.4 63. -47.4 326.9 327.4 11.4 23.7 64. 24.2 73.2 7971.6 375.0 -26.2 253.8 25.4 24.3 7.1 0.1 25.8 77.3 8466.5 350.0 -30.4 -50.5 254.1 28.5 27.4 7. 8 327.8 326.2 0.1 11.8 26.3 65 27.7 21.2 8988.8 325.0 -34.6 -53.6 252.3 28.5 27.1 8.7 328.9 329.2 0.1 12.3 29.3 56. 29.6 85.6 9543.2 300.0 -38.5 251.9 34.1 32.5 10.6 331.0 331.6 0.1 33.2 33.0 67. -48.7 31 . 5 90.0 10136.5 275.0 -42.4 99.9 252.0 43.0 40.9 13.3 333.8 999.9 99.9 999.9 37.5 57. 99.9 10773.5 250.0 -47.7 99.9 251.9 39.6 37.7 12.3 335.2 999.9 999.9 42.6 68. 33.6 45. Z 10C-2 11461.4 225.0 -52.8 99.9 261.2 47.6 47.0 7.3 337.6 999.9 99.9 999.9 46.3 69. 35.9 38.3 999.9 99.9 999.9 71. 105.8 12210.0 200.0 -59.4 99.9 262.9 47.7 47.3 5. 9 338.6 55. 3 111-6 13037.6 175.0 -63.9 99.9 261.0 51.8 51.1 8. 1 344.5 999.9 99.9 999.9 61.8 72. 40.8 99.9 73. 44.3 118.3 13986.1 150.0 -60.8 59.3 259.9 36.1 \* 35.6 6.3 365.4 999.9 999.9 71.5 99. 9 999.9 77.9 73. 47.7 123. 9 15116.5 125.0 -63.7 99.9 254.3 33.44 32.1 5.0 379.7 999.9 99.9 999.9 73. 52.3 134.0 15486.5 100.0. -c5.6 99.9 244.5 28.9\* 26.0 12.4 400.9 999.9 85.8 999.9 99.9 999.9 91.9 74. 58. 1 142.3 18244.3 75.0 -63.9 99.9 283.5 7.1\* 6.9 -1.6 439.0 999.9 75. 65.1 151. 3 20768.6 50.0 -55.8 99.9 258.6 6.4 6.3 1. 3 512.1 999.9 99. 9 94.2 99.9 999.9 75. 78.5 160.5 25242.8 25.0 -50.4 99.9 87.5 2.6 -2.6 -0.1 639.9 999.9 94.8

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 304 HATTERAS. NC

163 11. 0

24 APRIL 1975 1800 GMT

								•					-		7
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN	1 1 1	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG .
0.	0 4.4	4.0	1021.7	23.2	14.7	220.0	7.2	4.6	5. 5	295.9	323.4	10.4	59.0	0.0	0•
0.	6 6.1	190.1	1000.0	20.3	11.5	219.3	16.1	10.2	12.5	294.6	317.3	8.6	57.0	0.7	3ۥ
1.		408.0	975.0	18.2	10.3	218.1	18.6	11.5	14.7	294.6	316-1	8-1	59.B	1.5	3 50 €
2.		630.0	950.0	16-1	7.3	215-1	19.3	11.1	15.8	294.5	312.6	6.8	55.6	2,5	37.
3.	3 12.2	856.3	925.0	14.3	6.5	215.4	18.2	10.6	14.9	294.9	312.6	6• 6	59.2	3. 4	37.
4.	2 14.5	1087.3	900.0	12.6	5.2	221.5	17.4	11.5	13.0	295.4	312.1	6.2	60.5	4,4	37.
5.	1 16.5	1323.3	875+0	11.7	-7.7	225.6	17.0	12.2	11.9	290.3	303.3	2.4	24.9	5.2	3ს•
6.	0 18.7	1565.0	850.0	10.4	-7.6	233.1	14-1	11.3	8.4	297.3	304.7	2.5	27.5	6.1	4 C .
6.	8 20.8	1813.2	825.0	9.5	3.6	236.1	11.5	9.6	6.4	299.4	316.1	6 • 1	67.1	6.7	41.
7.	8 23.2	2068.4	800.0	8.3	3.0	238.4	9.0	7.07	4.7	300.7	317.3	5.9	69.3	7. 3	42.
8 6	8 25.5	2330.3	775.0	6.5	2.6	232.9	9.0	7.2	5.4	301.6	318.3	6.0	76.1	7 € 8	43.
9.	9 27.8	2599.2	750.0	5.6	1.2	231.1	9.8	7 • 6	6.2	303.3	319.1	5+6	73.5	B• 4	44.
10.	9 30.3	2876-6	725.0	4.8	-1.5	242.0	9.8:		4.6	305.4	319.0	4.8	63.7	9.0	44.
12.	0 32.9	31 62.2	700.0	3.4	-4.5	249.2	9.7		3.4	306.7	318.1	3.9	56.2	9. 6	46.
12.	9 35.5	3456.7	675.0	1.5	-5+9	263.8		9.5	1.0	307.8	318.6	3.6	57.6	16.1	47,
130	9 38.0	3759.5	650.0	-0.9	-8.6	279.9	11.4	11.2	-2.0	368.3	317.4	3.1	55.7	10.5	50.
15.	0 40.5	4072.2	625.0	-1.8	-14.8	287.1	14.5	13.8	-4.3	310.6	316.6	1.9	36.5	10.9	54.
16.	1 43.5	4396.7	600.0	-2.6	-22.0	283.0	15.0	14.6	-3. 4	313.2	316.7	1.1	20.7	11.6	57.
17.	4 46.4	4732.1	575.0	-5.8	-24.9	287.2	15.3	14.6	-4.5	313.3	316.1	U. 9	20.4	12.4	61.
18	6 49.4	5078-8	550.0	-8.2	-26.9	294.3	16.2	14.8	-6.6	314.5	317.0	0.8	20.6	13.2	55.
19.		5438.4	525.0	-10.5	-23.3	305.1	15.2	12.4	-8.7	315.9	319.6	1.1	34.5	14.0	69.
21.	3 55.4	5812.8	500.0	-12.1	-41.8	299.4	12.9	11.2	-6.3	318.3	319.0	0.2	6.3	14.6	7:3
22.	8 58.5	6202.8	475.0	-15.0	-43.7	291.2	13.7	12.7	-4.9	319.3	319.9	0.2	6.5	15.5	76.
24.		6609.3	450.0	-18.0	-44.1	285.8	13,2	12.7	- 3. 6	320.5	321.1	0.2	8.0	15.5	78.
25.	8 65.4	7034.0	425.0	-21.1	+37.3	283.9	13.8	13.4	-3.3	321.9	323.2	0.4	21.9	17.7	<b>□ C</b> •
27.	0.69	7478.3	400.0	-24.8	-41.5	282.9	14.4	14.0	-3.2	322.8	323.7	0.2	19.3	16.9	81.
28	9 72.5	7946.1	375.0	-27.1	-42.5	298.3	10.4	9.1	-4.9	325.7	326.6	0.2	21.4	20.0	83.
30.	4 76.5	84 39 <sub>0</sub> 8	350.0	-30.7	-47.2	309.1	7.7	5.9	-4+8	327#3	327.8	0.1	17.8	20.5	84.
324	3 80.6	8961.5	325.0	-35.2	-50.8	287.7	9.6	9.2	-2.9	328.1	328.5	0.1	18.4	21.4	. A6⊕
34,	1 64.6	9513.9	300,0	-39.9	99.9	296.0	12.5	11.2	~5∙5	329.1	999.9	99.9	999.9	22.4	97.
36	3 29.3	10101.2	295.0	-45.1	59.9	321.9	14.4	8.9	-11.3	329.9	999.9	99.9	999.9	23.7	89.
38.	3 94.2	10730.8	250.0	-50.2	99.9	341.3	18.1	5.8	-17-1	331.5	999.9	99.9	999.9	24.6	74.
40		11410-4	225.0	-55-2	99.9	334.7	17.3	7.4	-15.6	334.0	999.9	99.9	999.9	25.7	
42.		12151.4	200.0	-60.5	99.9	310.8	1749	13.5	-11.7	337.0	999.9	9029	999.9	27.5	
45.		12973.0	175.0	-64.8	99.9	295.2	19.1	16.7	-9.4	343.1	999.9	99.9	999.9	3G • 4	
486		13918.7	150.0	-62.2	99.9	289.8	33.0	31.0	-11.2	362.9	999.9	99•9	999•9	35. C	
52.		15046-8	125 1	-59.8	99.9	280.0	31.1	30.7	-5. 4	386.7	959.9	99.9	999.9	42.0	
56.		16436.2	100.0	-62.0	99.9	298-1	21.9	19.3	-10.3	408.0	969.9	99.9	999.9	49.5	
61.		18187-0	75.0	-65.0	99.9	319.3	8.2	5e4	-6.3	436.6	999.9	99.9	999.9	53.0	
68.		20599.6	50.0	-57.4	99.9	116.0	0.9	-0.8	0.4	508.2	999.9	99.9	995.9		197.
79,	B 160.5	25147.0	25.0	-49.9	99.9	267.4	1.0	1.0	0.0	641.5	999.9	99.9	999.9	53.7	108.
		*													

<sup>\*</sup> EV SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE CR. TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 311

24 APRIL 1975 1800 GMT

157 13. 0

THE CHTCT REGIST PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T EPOT T MAR RTO GHT REGISTER AND COMPLETE TO THE COMPLETE TO TH				•													
0.0 6.8 24c.0 991.5 23,9 16.2 210.0 6.2 3.1 5.4 299.4 230.7 11.8 62.0 0.0 0.0 99.9 99.9 99.9 99.9 99.9 99.	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T				RANGE		
99.0	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
99.0	0.0	6.8	246.0	991.5	23.9	16.2	210.0	-6-2	3.1	5.4	299.4	230.7	11.8	62.0	0.0	0.	, .
0.6			99.9	1000.0	99.9	99.9	99.9	99.9	99.9	£9.9	99.9	999.9	29.9	999.9	999.9	999.	, .
1.4 10.5 616.5 990.0 19.8 11.5 223.7 9.1 6.3 6.6 298.5 322.7 9.0 58.5 0.7 43. 1.9 12.8 88.5 925.0 17.2 10.6 227.6 9.1 6.7 6.1 298.1 321.5 8.7 65.0 1.1 4. 2.5 19.1 1078.9 900.0 15.1 10.1 225.0 9.2 6.5 6.5 298.2 321.5 8.7 71.9 1.4 45. 3.2 17.3 1317.1 875.0 12.6 9.5 212.7 9.8 7.8 5.9 298.0 321.0 8.6 81.3 1.8 45. 4.1 15.7 150.1 850.0 10.9 7.5 243.3 11.4 10.2 5.1 258.6 319.5 7.7 79.7 2.3 49. 5.1 22.0 180.9 825.0 9.2 6.6 241.2 12.6 11.0 6.1 299.3 319.7 7.5 83.6 3.0 52. 5.9 24.5 2064.9 800.0 10.2 6.0 244.8 15.5 14.0 6.1 299.3 319.7 7.5 83.6 3.0 52. 5.9 24.5 2064.9 800.0 10.2 6.0 244.8 15.5 14.0 6.6 303.0 323.4 7.4 75.4 3.7 54. 6.8 26.9 323.1 75.0 9.5 2.6 241.3 11.9 14.0 7.6 303.0 323.4 7.4 75.4 3.7 54. 6.8 26.9 323.1 75.0 9.5 2.6 241.3 15.9 14.0 7.6 303.0 323.4 7.4 75.4 3.7 54. 6.7 7 29.4 2601.0 750.0 7.9 1.4 235.8 17.9 14.6 10.4 306.1 321.6 5.4 69.7 6.5 5.4 56. 9.7 34.8 3165.9 700.0 3.9 -6.2 239.6 17.7 14.5 9.3 305.2 321.6 5.4 69.7 6.5 56. 9.7 34.8 3165.9 700.0 3.9 -6.2 239.6 17.7 15.3 5.0 307.3 317.4 34.4 47.5 76. 55.1 10.8 37.3 3461.7 075.0 3.8 -4.6 249.7 14.8 17.6 6.5 310.4 322.3 34.0 54.0 56.7 57. 11.7 40.1 3767.5 550.0 2.0 -6.1 255.3 19.5 16.9 4.9 311.7 322.9 3.7 54.9 9.3 56.1 13.8 45.8 408.8 600.0 -2.7 -0.0 272.3 19.1 19.1 -0.8 311.3 323.1 32.4 3.4 0 54.0 56.7 16.2 11.3 8 45.8 408.8 600.0 -2.7 -0.0 272.3 19.1 19.1 -0.8 311.3 323.1 3.2 61.8 40.7 16.0 13.4 50.8 11.1 10.1 10.1 10.1 10.1 10.1 10.1 1						11.4	221.3		6.5		257.7	321.1		53.4	0.3	46.	
2.5 15.1 1076.9 900.0 15.1 10.1 225.0 9.2 6.5 6.5 208.2 321.5 8.7 71.9 1.4 45.5 3.2 17.3 137.1 875.0 12.6 9.5 232.7 9.8 7.8 5.9 208.0 321.0 8.6 81.3 1.8 45.4 1.1 15.7 150.0 1 850.0 10.9 7.5 233.3 11.4 10.2 5.1 258.6 319.5 7.7 79.7 2.3 49.5 12.0 10.9 825.0 9.2 6.6 241.2 12.6 11.0 6.1 209.3 319.7 7.5 83.6 3.0 52.2 5.9 24.5 206.9 800.0 10.2 6.0 244.8 15.5 14.0 6.6 303.0 323.4 7.4 75.4 3.7 54.6 6.6 82.9 232.1 775.0 9.5 2.6 241.3 15.9 14.0 7.6 304.8 321.7 6.0 62.1 4.5 50.7 7.7 25.4 26.9 232.1 775.0 9.5 2.6 241.3 15.9 14.0 7.6 304.8 321.7 6.0 62.1 4.5 50.7 7.7 25.4 26.9 232.1 275.0 5.4 6.0 244.8 17.5 14.0 7.6 304.8 321.7 6.0 62.1 4.5 50.7 7.7 25.4 26.9 232.1 275.0 5.4 6.0 244.8 17.5 14.5 14.0 7.6 304.8 321.7 6.0 62.1 4.5 50.7 7.7 25.4 26.0 10.8 37.3 31.1 25.9 70.0 3.9 -6.2 239.6 17.7 14.6 10.4 306.1 321.6 5.4 69.7 6.5 54.6 9.7 34.8 316.5 7.5 7.5 6.2 239.6 17.7 15.3 9.0 307.3 317.4 3.4 47.5 7.6 54.0 9.7 34.8 316.5 7.5 7.5 6.5 54.0 9.7 34.8 316.5 7.5 6.0 6.2 239.6 17.7 15.3 9.0 307.3 317.4 3.4 47.5 7.6 54.0 9.7 11.7 40.1 3767.5 650.0 2.0 -6.1 255.1 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.3 59.1 12.7 42.8 408.2 460.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 32.2 3.7 54.9 9.3 59.1 12.5 45.6 45.7 44.5 575.0 -5.4 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 13.8 45.8 440.2 4 600.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 3.2 61.8 12.0 64.8 12.5 12.5 12.5 12.5 12.5 12.5 12.5 12.5			616.5	950.0		11.5	223.7	9.1	6.3	6.6	298.5	322.7	9.0	58.5	0.7	43.	,
3.2 17.3 1317.1 875.0 12.6 9.5 212.7 9.8 7.8 7.8 5.9 298.0 321.0 8.6 81.3 1.8 45. 4.1 15.7 1560.1 850.0 10.9 7.5 243.3 11.4 10.2 5.1 258.6 319.5 7.7 70.7 72.3 49. 5.1 22.0 1608.9 625.0 9.2 6.6 24.12 12.6 11.0 6.1 299.3 313.7 7.5 83.6 3.0 52. 5.9 24.5 2064.9 800.0 10.2 6.0 24.8 15.5 14.0 6.6 303.0 323.4 7.4 75.4 3.7 54. 6.8 26.9 2329.1 775.0 9.5 2.6 24.3 15.9 14.0 7.6 30.8 321.7 6.0 62.1 4.5 50. 7.7 25.4 2201.0 750.0 7.9 1.4 235.8 17.5 14.5 9.2 30.8 321.7 6.0 62.1 4.5 50. 8.7 32.1 2879.8 725.0 5.4 0.3 234.8 17.5 14.5 9.3 30.8 321.7 6.0 62.1 4.5 50. 8.7 32.1 2879.8 725.0 3.8 -6.2 249.7 18.8 17.5 14.5 9.3 30.1 321.6 5.4 69.7 6.5 56. 9.7 34.3 3165.9 700.0 3.9 -6.2 249.6 17.7 15.3 9.0 307.3 317.4 3.4 47.5 7.0 56. 11.7 40.1 3767.5 650.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.5 57. 11.7 40.1 3767.5 650.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.5 57. 11.3 8 45.8 4408.4 600.0 -2.7 -9.0 272.3 19.1 19.1 9.1 -0.8 313.3 323.1 3.2 61.8 12.0 64. 15.0 86.7 474.5 575.0 -3.4 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67. 16.2 51.6 5092.1 550.0 -7.8 -10.5 14.5 277.0 18.2 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67. 16.2 51.6 5092.1 550.0 -7.8 -10.5 14.5 277.0 18.2 18.1 -2.3 31.0 32.3 4.0 32.4 2.4 72.5 15.6 71. 18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.9 17.8 -1.4 315.2 324.8 31 80.7 14.3 05. 21.4 64.6 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77. 22.7 67.6 70.7 6.4 60.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -1.0 -		12.8		925.0		10.6	227.6	9.1	6.7	6. 1	298.1	321.5	8.7	65.0	1.1	44.	, .
3.2 17.3 1317.1 875.0 12.6 9.5 212.7 9.8 7.8 7.8 5.9 298.0 321.0 8.6 81.3 1.8 45.4 15.7 150.0 19.7 7.5 243.3 11.4 10.2 5.1 250.6 319.5 7.7 7.9 7.2 3.3 49.5 1.1 220.0 1808.9 825.0 9.2 6.6 241.2 12.6 11.0 6.1 299.3 313.7 7.5 83.6 3.0 52.5 1.2 250.0 1808.9 800.0 10.2 6.0 244.8 15.5 14.0 6.6 303.0 323.4 7.4 75.4 3.7 54.6 6.8 26.9 2329.1 775.0 9.5 2.6 241.3 15.9 14.0 7.6 304.8 321.7 6.0 62.1 4.5 50.5 7.7 7.9 1.4 235.8 17.5 14.5 9.3 304.8 321.7 6.0 62.1 4.5 50.5 7.7 34.3 11.5 9.0 7.9 1.4 235.8 17.5 14.5 9.3 305.8 321.9 5.7 6.0 62.1 4.5 50.5 8.7 32.1 2879.8 725.0 5.4 0.3 234.8 17.5 14.5 9.3 305.8 321.9 5.7 6.5 6.0 6.7 6.5 56.0 9.7 34.3 116.9 9.0 9.0 9.0 9.0 9.3 55.4 6.0 6.2 14.5 50.5 9.7 34.3 116.5 9.7 90.0 3.9 -6.2 239.6 17.7 15.3 9.0 307.3 317.4 3.4 47.5 7.6 56.0 10.8 37.3 3461.7 075.0 3.8 -4.6 249.7 18.8 17.6 6.5 310.4 322.3 4.0 56.0 8.7 57.1 1.7 40.1 3767.5 550.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 56.9 9.3 55.4 12.7 42.8 4082.9 625.0 -0.3 -7.1 223.7 18.9 18.8 2.1 312.5 323.3 3.6 60.3 10.9 61.3 13.8 45.8 408.4 408.4 60.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 32 61.8 12.0 64.1 15.0 48.7 4744.5 575.0 -5.4 -9.2 2764. 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 14.7 54.6 54.6 54.2 5 50.0 -7.8 -10.5 274.0 17.9 17.8 -11.4 315.2 324.8 3.1 80.7 14.3 57.2 17.4 54.6 54.2 55.0 -7.8 -10.5 274.0 17.9 17.8 -11.4 315.2 324.8 3.1 80.7 14.3 57.2 17.4 54.6 54.2 55.0 -7.8 -10.5 274.0 17.9 19.9 -0.9 318.9 323.8 1.5 60.8 11.3 75.0 13.2 67.1 14.7 54.6 54.6 54.2 5 50.0 -7.8 -10.5 274.0 17.9 19.9 -0.9 318.9 323.8 1.5 60.8 11.3 75.0 13.2 67.1 14.7 54.6 54.6 54.2 5 50.0 -7.8 -10.5 274.0 17.9 19.9 -0.9 318.9 323.8 1.5 60.8 11.3 75.0 13.2 67.1 14.7 54.6 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.8 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0															. 1.4	45.	
5.1         22.0         1808.9         825.0         9.2         6.6         241.2         12.6         11.0         6.1         299.3         319.7         7.5         83.6         3.0         52.4         6.0         244.8         15.5         14.0         6.6         303.0         323.4         7.4         75.6         3.7         5.9         2.6         241.3         15.9         14.0         7.6         304.8         321.7         6.0         62.1         4.5         560.         7.7         29.4         2601.0         750.0         7.9         1.4         235.8         17.5         14.0         7.6         304.8         321.7         6.0         62.1         4.5         560.         6.7         32.1         2879.8         725.0         5.4         0.3         234.8         17.9         14.6         10.4         306.1         321.6         554.6         69.7         7.6         303.3         31.2         40.4         69.7         7.6         303.3         32.4         40.4         69.7         7.6         30.3         31.3         31.0         32.3         3.4         47.5         50.0         69.7         7.7         11.1         40.1         30.1         30.1         3		17.3	1317-1	875.0	12.6	9.5	232.7	9.8	7.8	5.9	298.0	321.0	8.6	81.3	1.8	45.	,
5.9 24.5 2064.9 800.0 10.2 6.0 244.8 15.5 14.0 6.6 303.0 323.4 7.4 75.4 3.7 54.6 6.8 26.9 2329.1 775.0 9.5 2.6 241.3 15.9 14.0 7.6 304.8 321.7 6.0 62.1 4.5 56.0 7.7 29.4 2601.0 750.C 7.9 1.4 235.8 17.5 14.5 9.3 305.8 321.9 5.7 63.5 5.4 56.0 8.7 32.1 2879.8 725.0 5.4 0.3 234.8 17.9 14.6 10.4 306.1 321.6 5.4 60.7 6.3 56.4 9.3 31.6 1.7 0.7 31.3 31.6 1.7 0.7 0.0 3.9 -6.2 239.6 17.7 15.3 9.0 307.3 317.4 3.4 47.5 7.6 56.1 11.7 31.3 34.6 1.7 0.7 3.8 31.6 1.7 0.7 3.8 31.6 1.7 0.7 3.8 31.6 1.7 0.7 3.8 31.6 1.7 0.7 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8 3.8	4-1	15.7	1540.1	850.0	10.9	7.5	243.3	11.4	10.2	5. I	298.6	319.5	7.7	79.7	2.3	4 9.	
6.8 26.9 2329.1 775.0 9.5 2.6 241.3 15.9 14.0 7.6 304.8 321.7 6.0 62.1 4.5 50.  7.7 29.4 2601.0 750.0 7.9 11.4 235.8 17.5 14.5 9.9 305.8 321.9 5.7 63.5 5.4 56.  8.7 32.1 2879.8 725.0 5.4 0.3 234.8 17.9 14.6 10.4 306.1 321.6 5.4 69.7 6.5 56.  9.7 34.8 1165.9 700.0 3.9 -6.2 239.6 17.7 15.3 9.0 307.3 317.4 34. 47.5 7.6 56.  10.8 37.3 3461.7 675.0 3.8 -4.6 249.7 18.8 17.6 6.5 310.4 322.3 4.0 54.0 8.7 57.  11.7 40.1 3767.5 650.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.9 59.  12.7 42.8 4082.9 625.0 -0.3 -7.1 263.7 16.9 18.8 2.1 312.5 321.3 3.6 60.3 10.9 61.  13.8 45.8 4004.8 600.0 -2.7 -9.0 272.3 19.1 19.1 19.1 -0.8 313.3 32.1 32.9 3.7 54.9 9.9 59.  15.0 48.7 474.5 575.0 -5.4 -9.2 276.4 18.6 18.5 -2.1 314.0 32.1 3.3 75.0 13.2 67.  16.2 51.6 5092.1 550.0 -7.8 -10.5 274.0 17.9 17.8 -1.4 315.2 32.8 3.1 86.7 14.3 69.1 17.4 18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 18.1 -2.4 316.0 33.4 2.4 72.5 15.0 71.  18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 -2.1 317.3 323.8 1.5 62.8 16.9 74.  20.0 60.9 6215.9 475.0 -18.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 16.9 74.  21.4 64.4 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77.  22.7 7.6 7047.4 425.0 -20.3 -31.9 278.2 22.0 21.8 -31.3 32.9 32.5 0.1 10.4 23.5 80.2 27.  22.7 7.7 7.9 7.9 7.9 0.1 1.4 -51.8 286.5 22.3 21.4 -6.3 32.5 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	5.1	22.0	1808.9	825.0	9.2	6.6	241.2	12.6	11.0	6.1	299.3	317.7	7.5	83.6	3• 0	52.	
7-7	5.9	24.5	2064.9	800.0	10.2	6.0	244.8	15.5	14.0	6.6	303.0	323.4	7.4	75.4	3.7	54.	
8.7 32.1 2879.8 725.0 5.4 0.3 234.8 17.9 14.6 10.4 300.1 321.6 5.4 60.7 6.5 56. 9.7 7.6 56.0 3.9 -6.2 239.6 17.7 15.3 5.0 307.3 317.4 3.4 47.5 7.6 56.0 10.8 37.3 3461.7 075.0 3.8 -4.6 249.7 18.8 17.6 6.5 310.4 322.3 4.0 54.0 8.7 57. 11.7 40.1 3767.5 650.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.5 59. 12.7 42.6 4082.9 625.0 -0.3 -7.1 25.37 18.9 18.8 2.1 312.5 323.3 3.6 60.3 16.9 61.1 3.8 45.8 4408.4 600.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 3.2 61.8 12.0 64.1 15.0 4.7 474.5 575.0 -5.4 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 16.2 11.6 5092.1 550.0 -7.8 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 16.2 11.6 5092.1 550.0 -7.8 -10.5 274.0 17.9 17.8 -1.4 315.2 324.8 3.1 80.7 14.3 69. 11.4 54.6 54.5 54.5 55.0 -10.5 -14.5 277.6 18.2 18.1 -2.4 315.0 323.4 2.4 72.5 15.6 71.1 18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 -2.1 317.3 323.5 1.9 69.8 16.9 74.20.0 66.9 6215.9 475.0 -15.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 18.3 75. 21.4 42.4 42.5 5.0 -2.3 -4.3 9.2 27.0 27.0 1.8 20.9 32.8 1.5 62.8 18.3 75. 22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.5 323.5 0.2 10.1 21.7 76. 24.3 76.0 18.2 18.1 22.4 22.0 -4.3 323.5 32.5 0.2 10.1 21.7 76. 24.3 76.0 18.2 18.1 22.4 22.0 -4.3 323.5 32.5 0.2 10.1 21.7 76. 24.3 76.0 18.2 18.1 22.4 22.0 -4.3 323.5 32.5 0.2 10.1 21.7 76. 24.3 76.0 18.2 18.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 86.2 25.7 74.9 7600.1 375.0 -27.6 -49.1 28.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82.2 25.7 74.9 7600.1 375.0 -27.6 -49.1 28.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82.2 25.7 74.9 7600.1 375.0 -27.6 -49.1 28.3 32.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82.2 25.7 74.9 7600.1 375.0 -27.6 -49.1 28.3 32.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82.2 25.7 74.9 7600.1 375.0 -27.6 -49.1 28.3 32.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82.2 25.7 74.9 370.0 375.0 -35.8 -55.2 28.7 30.1 32.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	6.8	26.9	2329.1	775.0	9.5	2.6	241.3	15.9	14.0	7.6	304.8	321.7	6.0	62.1	4.5	500	
9.7 34.9 3165.9 700.0 3.9 -6.2 230.6 17.7 15.3 9.0 307.3 317.4 3.4 47.5 76.5 5c. 10.8 37.3 3461.7 075.0 3.8 -4.6 240.7 18.8 17.6 6.5 310.4 322.3 4.0 5.0 8.7 57.1 11.7 40.1 3767.5 650.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.8 59. 12.7 42.8 4082.9 625.0 -0.3 -7.1 263.7 18.9 18.8 2.1 312.5 323.3 3.6 60.3 16.9 61.1 13.8 45.8 4.08.4 600.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 3.2 61.8 12.0 64.1 15.0 48.7 4744.5 575.0 -5.4 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 15.0 48.7 4744.5 575.0 -7.8 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 17.4 54.6 5452.5 525.0 -10.5 -14.5 277.6 18.2 18.1 -2.4 315.2 324.8 3.1 86.7 14.3 66.7 14.3 66.7 17.9 17.8 -1.4 315.2 324.8 3.1 86.7 14.3 66.7 14.3 66.7 12.0 66.9 66.9 66.9 66.9 66.9 66.9 66.9 66	7.7	29.4	2601.0	750.C	7.9	1.4	235.8	17.5	14.5	9.7	305.8	321.9	5.7	63.5	5.4	56.	
10.8 37.3 3461.7 075.0 3.6 -4.6 249.7 18.8 17.6 6.5 310.4 322.3 4.0 54.0 8.7 57.0 11.7 40.1 3767.5 650.0 2.0 -6.1 255.3 19.5 18.9 4.9 311.7 322.9 3.7 54.9 9.9 59. 12.7 42.6 4082.9 625.0 -0.3 -7.1 263.7 18.9 18.8 2.1 312.5 323.3 3.6 60.3 1C.9 61.8 13.8 45.8 408.4 600.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 3.2 61.8 12.0 64.7 13.8 45.8 408.4 600.0 -2.7 -9.0 272.3 19.1 19.1 -0.8 313.3 323.1 3.2 61.8 12.0 64.7 16.2 11.6 5092.1 550.0 -7.8 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.1 16.2 11.6 5092.1 550.0 -7.8 -10.5 274.0 17.9 17.8 -1.4 315.2 324.8 3.1 80.7 14.3 05.1 17.9 17.8 -1.4 315.2 324.8 3.1 80.7 14.3 05.1 17.9 17.8 -1.4 315.2 324.8 3.1 80.7 14.3 05.1 18.7 57.6 5826.5 525.0 -10.5 -14.5 277.6 18.2 18.1 -2.4 316.0 323.4 2.4 72.5 15.0 71.1 18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 -2.1 317.3 323.5 1.9 69.8 16.9 74.2 20.0 60.9 6215.9 475.0 -15.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 18.3 75.2 21.4 64.4 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77.2 22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.9 323.5 0.2 10.1 21.7 76.2 24.3 740.9 740.2 24.3 740.9 740.2 24.3 740.9 740.2 24.3 740.9 740.2 24.3 323.9 324.4 0.1 10.4 23.5 80.2 25.7 740.9 790.0 315.0 -27.6 -49.1 284.3 23.5 22.8 -58.8 325.0 325.5 0.1 10.4 23.5 80.2 25.7 740.9 790.0 325.0 -31.4 -51.8 286.5 22.3 21.4 -63.3 326.4 320.7 0.1 11.5 27.6 94.2 29.2 82.3 8673.0 325.0 -31.4 -51.8 286.5 28.3 16.3 350.0 325.5 0.1 11.5 27.6 94.2 29.2 82.3 8673.0 325.0 -35.8 -55.2 280.7 20.7 19.8 -59.9 327.2 327.5 0.1 11.5 27.6 94.2 29.0 43.3 33.1 94.8 9111.3 275.0 -45.3 99.9 289.9 289.9 37.4 10.6 -5.1 330.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	8.7	32.1	2879.8	725.0	5.4	0.3	234.8	17.9	14.6	10.4	306.1	321.6	5.4		6.5	500	
11.7	9.7	34.3	3165.9		3.9	-6.2							3.4	_			
12.7	10.8	37.3	3461.7	675.0	3.6	-4.6	249.7	18.8	17.6	6.5	310.4	322.3	4.0		8.7		
13-8 45-8 408-4 600-0 -2-7 -9-0 272-3 19-1 19-1 -0-8 313-3 323-1 3-2 61-8 12-0 66-15-0 48-7 4744-5 575-0 -5-4 -9-2 276-4 18-6 18-5 -2-1 314-0 324-1 3-3 75-0 13-2 67-15-16-2 11-6 5092-1 550-0 -7-8 -10-5 274-0 17-9 17-8 -1-4 315-2 324-8 3-1 80-7 14-3 65-17-4 54-6 5452-5 525-0 -10-5 -14-5 277-6 18-2 18-1 -2-4 316-0 323-4 2-4 72-5 15-6 71-18-7 57-6 5826-5 500-0 -13-1 -17-4 276-4 19-3 19-2 -2-1 317-3 323-5 1-9 69-8 16-9 74-2 18-2 18-1 -2-4 316-0 323-4 2-4 72-5 15-6 71-18-7 57-6 5826-5 500-0 -13-1 -17-4 276-4 19-3 19-2 -2-1 317-3 323-5 1-9 69-8 16-9 74-2 18-2 18-2 18-2 18-2 18-2 18-2 18-2 18	11.07	40-1	3767.5	650.0	2.0	-6.1	255.3	19.5	18.9	4.9	311.7		3.7		9. 9	59.	
15.0 48.7 4744.5 575.0 -5.4 -9.2 276.4 18.6 18.5 -2.1 314.0 324.1 3.3 75.0 13.2 67.  16.2 11.6 5092.1 550.0 -7.8 -10.5 274.0 17.9 17.8 -1.4 315.2 324.8 3.1 80.7 14.3 05.1  17.4 54.6 5452.5 525.0 -10.5 -14.5 277.6 18.2 18.1 -2.4 316.0 323.4 2.4 72.5 15.6 71.  18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 -2.1 317.3 323.5 1.9 69.8 16.9 74.  20.0 6C.9 6215.9 475.0 -15.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 18.3 75.  21.4 64.4 6622.0 450.0 -18.2 -26.3 265.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77.  22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.9 323.5 0.2 10.1 21.7 78.  24.3 71.0 7492.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 80.  25.7 74.9 7960.1 375.0 -27.6 -49.1 284.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.4 23.5 80.  25.7 74.9 7960.1 375.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94.  29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.1 27.6 94.  33.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 99.9 99.9 99.9 99.9 32.0 87.  33.1 86.8 10111.3 275.0 -45.3 99.9 287.1 17.4 16.6 -5.7 329.6 99.9 99.9 99.9 99.9 33.7 8b.  35.4 55.5 10739.8 20.0 -50.7 99.9 287.0 17.4 16.7 -5.1 330.6 99.9 99.9 99.9 99.9 99.9 33.7 8b.  35.4 55.5 10739.8 20.0 -50.7 99.9 287.0 17.4 16.7 -5.1 330.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	12.7	42.8	4082.9	625.0	-0.3	-7 n 1	263.7	18.9	18.8	2.1	312.5	323.3	3.6	60.3	10.9	61.	
16,2	13.8	45.8	4408=4	600.0	-2.7	-9.0	272.3	19.1	19.1	-0.8	313.3	323.1	3.2				
17.4 54.6 5452.5 525.0 -10.5 -14.5 277.6 18.2 18.1 -2.4 316.0 323.4 2.4 72.5 15.6 71. 18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 -2.1 317.3 323.5 1.9 69.8 16.8 74. 20.0 60.9 6215.9 475.0 -15.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 16.8 75. 21.4 64.4 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77. 22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.9 323.5 0.2 10.1 21.7 78. 24.3 71.0 7492.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 25.5 80. 25.7 74.9 7960.1 375.0 -27.6 -49.1 28.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82. 27.4 78.7 8453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94. 29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 29.8 85. 31.1 86.4 9524.1 300.0 -40.2 99.9 289.5 17.0 16.0 -5.7 329.6 999.9 99.9 99.9 99.9 32.0 87. 33.1 90.8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 999.9 99.9 99.9 99.9 33.7 86. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.0 16.0 15.5 -5.1 330.8 99.9 99.9 99.9 99.9 36.2 99. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 36.2 90. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	15.0	48.7	4744.5	575.0	-5.4	-9.2	276.4	18.6	18.5	-2.1	314.0		3.3	75.0	13.2	67.	
18.7 57.6 5826.5 500.0 -13.1 -17.4 276.4 19.3 19.2 -2.1 317.3 323.5 1.9 69.8 16.9 74. 20.0 66.9 6215.9 475.0 -15.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 18.3 75. 21.4 64.4 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77. 22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.5 323.5 0.2 10.1 21.7 78. 24.3 71.0 7492.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 80. 25.7 74.9 7960.1 375.0 -27.6 -49.1 284.3 23.5 22.8 -5.8 325.5 0.1 10.7 25.5 82. 27.4 78.7 8453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94. 29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.1 27.6 94. 29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 25.8 85. 31.1 86.4 9524.1 300.0 -40.2 99.9 289.5 17.0 16.0 -5.7 329.6 99.9 99.9 99.9 99.9 32.0 87. 33.1 90.8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 99.9 99.9 99.9 99.9 33.7 86. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.0 99.9 99.9 99.9 99.9 36.2 89. 37.8 100.3 11417.9 255.0 -50.1 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 36.2 89. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	16,2	21.6	5092.1	550.0	-7.8	-10.5	274.6	17.9	17.8	-1.4	315.2		3.1	80.7			
20:0 6C:9 6215.9 475.0 -15.5 -21.0 272.6 19.9 19.9 -0.9 318.9 323.8 1.5 62.8 18.3 75. 21:4 64.4 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77. 22:7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.9 323.5 0.2 10.1 21.7 78. 24:3 71.) 7492.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 80. 25:7 74.9 7950.1 375.0 -27.6 -49.1 284.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82. 27:4 78:7 2453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94. 29:2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 25.8 85. 31.1 66.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 999.9 99.9 99.9 99.9 32.0 87. 33.1 90:8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 999.9 99.9 99.9 99.9 33.7 86. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 99.9 99.9 99.9 99.9 38.2 90. 40.1 105.6 12155.7 200.0 -60.2 99.9 287.0 17.4 16.7 -5.1 332.5 99.9 99.9 99.9 99.9 38.2 90. 40.1 105.6 12155.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	17.4	54.6	5452.5	525.0	-10.5	-14.5	277.6	18.2	18-1	-2.4	316.0	323.4	2.4	72.5	15.6		
21.4 64.6 6622.0 450.0 -18.2 -26.3 269.8 22.7 22.7 0.1 320.4 323.7 1.0 49.3 19.9 77.  22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.9 323.5 0.2 10.1 21.7 78.  24.3 71.0 7492.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 80.  25.7 74.9 7960.1 375.0 -27.6 -49.1 284.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82.  27.4 78.7 8453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94.  29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 29.8 85.  31.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 99.9 99.9 99.9 99.9 32.0 87.  33.1 90.8 1011.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 99.9 99.9 99.9 99.9 33.7 86.  35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.0 999.9 99.9 99.9 38.2 90.  40.1 105.6 12159.7 200.0 -60.2 99.9 287.0 17.4 16.6 -5.1 328.5 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	18.7	57.6	5826.5	500.0	-13-1	-17.4	276.4	19.3	19.2	-2.1	317.3	323.5	1.9	69.8	16.9	74.	
22.7 67.6 7047.4 425.0 -20.3 -43.9 278.2 22.0 21.8 -3.1 322.9 323.5 0.2 10.1 21.7 78. 24.3 71.) 74.92.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 80. 25.7 74.3 7960.1 375.0 -27.6 -49.1 284.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82. 27.4 78.7 2453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 326.7 0.1 11.1 27.6 94. 29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 29.8 85. 31.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 999.9 99.9 99.9 99.9 32.0 87. 33.1 90.8 10111.3 275.0 -45.3 99.9 288.5 17.0 16.0 -5.7 329.6 999.9 99.9 99.9 33.7 86.3 35.4 55.5 10739.8 250.0 -50.7 99.9 288.5 16.3 15.5 -5.1 330.8 99.9 99.9 99.9 36.2 86.2 86.2 37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 330.5 999.9 99.9 99.9 36.2 86.2 86.2 37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 330.5 999.9 99.9 99.9 38.2 90.4 40.1 105.6 12159.7 200.0 -60.2 99.9 287.0 17.4 16.7 -5.1 332.5 999.9 99.9 99.9 99.9 36.2 86.2 86.2 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 340.9 99.9 99.9 99.9 99.9 99.9 40.8 91.4 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 340.9 99.9 99.9 99.9 99.9 99.9 40.8 91.4 49.2 124.3 15093.6 125.0 -59.9 99.9 274.5 38.0 37.8 -3.0 370.4 99.9 99.9 99.9 99.9 99.9 40.6 91.4 49.2 124.3 15093.6 125.0 -59.9 99.9 274.5 38.0 37.8 -3.0 370.4 99.9 99.9 99.9 99.9 99.9 55.9 92.5 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.0 370.4 99.9 99.9 99.9 99.9 99.9 55.9 92.5 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 99.9 99.9 99.9 99.9 99.9 66.0 94.6 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 99.9 99.9 99.9 99.9 67.5 59.5	20-0	60.9	6215.9	475.0	-15.5	-21.0	272.6	19.9	19.9	-0.9	318.9	323.8	1.5	62.8	18.3	75.	
24.3 71.0 7492.6 400.0 -23.9 -46.4 281.1 22.4 22.0 -4.3 323.9 324.4 0.1 10.4 23.5 80. 25.7 74.9 7960.1 375.0 -27.6 -49.1 284.3 23.5 22.8 -5.8 325.0 325.5 0.1 10.7 25.5 82. 27.4 78.7 8453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94. 29.2 82.3 8673.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 27.6 94. 31.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 99.9 99.9 99.9 99.9 32.0 87. 33.1 90.8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 99.9 99.9 99.9 99.9 33.7 86. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 99.9 99.9 99.9 99.9 36.2 89. 37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 330.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	21.4	64.4	6622.0	450.0	-18-2	-26.3	269.8	22.7	22.7	0.1	320.4	323.7	1.0	49.3	19.9	77.	
25.7 74.9 7960.1 375.C -27.6 -49.1 284.3 23.5 22.8 -5.8 325.0 325.5 0.1 1C.7 25.5 82.  27.4 78.7 8453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94.  29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 29.8 85.  31.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 99.9 99.9 99.9 99.9 32.0 87.  33.1 9C.8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 99.9 99.9 99.9 99.9 33.7 86.  35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 99.9 99.9 99.9 99.9 36.2 89.  37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 332.5 99.9 99.9 99.9 99.9 36.2 89.  40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 40.8 91.  42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 346.9 99.9 99.9 99.9 99.9 40.8 91.  43.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 99.9 55.9 92.  45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 55.9 92.  53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 99.9 99.9 99.9 99.9 99.9 66.7 93.  59.2 140.0 18155.7 75.0 -64.6 99.9 354.1 3.6 0.4 -3.6 503.9 99.9 99.9 99.9 99.9 67.5 95.	22.7	67.6	7047.4	425.0	-20.3	-43.9	278.2	22.0	21.8	-3.1	322.9	323.5	0 • 5	10.1	21.7	78.	
27.4 78.7 8453.1 350.0 -31.4 -51.8 286.5 22.3 21.4 -6.3 326.4 320.7 0.1 11.1 27.6 94. 29.2 82.3 8973.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 29.8 85. 31.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 999.9 999.9 999.9 32.0 87. 33.1 9C.8 1011.3 275.0 -45.3 99.9 287.5 17.0 16.0 -5.7 329.6 999.9 99.9 999.9 33.7 86.2 89. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 999.9 99.9 999.9 36.2 89. 37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 332.5 999.9 99.9 999.9 36.2 89. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 999.9 99.9 99.9 99.9 40.8 91. 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 340.9 99.9 99.9 99.9 99.9 40.8 91. 45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 999.9 99.9 99.9 99.9 55.9 92. 53.7 132.0 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 999.9 99.9 99.9 66.7 93. 59.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.6 503.9 99.9 99.9 99.9 99.9 67.5 95.	24.3	71.3	7492.6	400.0	-23.9	-46.4	281.1	22.4	22.0	-4.3	323.9	324.4	0.1	10.4	23.5	80.	
29.2 82.3 8573.0 325.0 -35.8 -55.2 286.7 20.7 19.8 -5.9 327.2 327.5 0.1 11.5 29.8 85. 31.1 86.4 9524.1 300.0 -40.2 99.9 287.1 17.4 16.6 -5.1 328.7 999.9 99.9 99.9 32.0 87. 33.1 90.8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 999.9 99.9 99.9 33.7 86. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 999.9 99.9 99.9 36.2 89. 37.8 100.3 11417.9 225.3 -56.1 99.9 287.0 17.4 16.7 -5.1 332.5 99.9 99.9 99.9 99.9 36.2 89. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 99.9 99.9 40.8 91. 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 340.9 99.9 99.9 99.9 99.9 99.9 44.8 91. 42.7 111.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 99.9 99.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 274.5 25.7 25.6 -2.9 386.5 99.9 99.9 99.9 99.9 99.9 99.9 55.9 92. 53.7 132.0 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 99.9 99.9 99.9 99.9 66.0 94.6 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 99.9 99.9 99.9 99.9 67.5 95.	25.7	74.9	7960.1	375.0	-27.6	-49-1	284.3	23.5	22.8	-5.8	325.0	325.5	0.1	1C.7	25.5	82.	٠.
31.1	27.4	78.7	8453.1	350.0	-31.4	-51 . 8	286.5	22.3	21.4	-6.3	326.4	326.7	0.1	11.1	27.6	94.	
33.1 QC.8 10111.3 275.0 -45.3 99.9 289.5 17.0 16.0 -5.7 329.6 999.9 99.9 99.9 33.7 86. 35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 999.9 99.9 99.9 36.2 99. 37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 332.5 999.9 99.9 99.9 99.9 38.2 90.0 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 99.9 99.9 99.9 99.9 40.8 91. 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 340.9 99.9 99.9 99.9 99.9 40.8 91. 45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 99.9 99.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 274.5 38.0 37.8 -3.0 370.4 99.9 99.9 99.9 99.9 99.9 55.9 92.5 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 99.9 99.9 99.9 99.9 99.9 55.9 92.5 53.7 132.0 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 99.9 99.9 99.9 99.9 60.0 94.6 60.7 188.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 99.9 99.9 99.9 99.9 67.5 95.	29.2	82.3	8573.0	325.0	-35.8	-55.2	286.7	20.7	19.8	-5.9	327.2	327.5	0 • 1	11.5	29. 8	85.	
35.4 95.5 10739.8 250.0 -50.7 99.9 288.3 16.3 15.5 -5.1 330.8 999.9 99.9 99.9 36.2 89. 37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 332.5 999.9 99.9 99.9 36.2 89. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 999.9 99.9 99.9 99.9 40.8 91. 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 340.9 99.9 99.9 99.9 99.9 44.8 91. 45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 99.9 99.9 99.9 99.9 55.9 92. 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 999.9 99.9 99.9 99.9 60.7 93. 55.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.6 503.9 99.9 99.9 99.9 99.9 67.5 95.	31.1	£6. 4	9524.1	300.0	-40.2	99.9	287.1	17.4	16.6	-5.1	326.7		99.9				٠.
37.8 100.3 11417.9 225.0 -56.1 99.9 287.0 17.4 16.7 -5.1 332.5 999.9 99.9 99.9 99.9 38.2 90. 40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 999.9 99.9 99.9 99.9 40.8 91. 42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 346.9 999.9 99.9 99.9 99.9 44.3 92. 45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 999.9 99.9 99.9 99.9 99.9 55.9 92. 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 99.9 99.9 99.9 99.9 60.7 93. 59.2 140.0 18165.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.7 437.6 999.9 99.9 99.9 99.9 66.0 94.6 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 999.9 99.9 99.9 99.9	33.1	90.8	10111.3	275.0	-45.3	99.9	289.5	17.0	16.0	-5.7			99+9				
40.1 105.6 12159.7 200.0 -60.2 99.9 284.0 20.4 19.8 -4.9 337.4 999.9 99.9 99.9 99.9 40.8 91.  42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 346.9 999.9 99.9 999.9 44.3 92.  45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 49.6 91.  49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 999.9 99.9 99.9 99.9 99.9 99.9 99.9	35.4	95.5	10739.8	250.0	-50.7	99.9	288.3	16.3	15.5	-5.1	330∙€	999.9	99.9	999.9	36.2	95.	
42.7 111.3 12986.3 175.0 -62.4 99.9 259.0 22.5 22.1 4.3 346.9 999.9 99.9 99.9 99.9 44.3 92. 45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 99.9 99.9 99.9 99.9 55.9 92. 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 999.9 99.9 99.9 60.7 93. 59.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.7 437.6 999.9 99.9 99.9 66.0 94. 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 999.9 99.9 99.9	37.8	160.3	11417.9	225.3	-56.1	99.9	287.0	17.4	16.7	-5.1	332.5						
45.6 117.3 13946.0 150.0 -57.8 99.9 274.5 38.0 37.8 -3.0 370.4 999.9 99.9 99.9 49.6 91. 49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 999.9 99.9 99.9 55.9 92. 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 999.9 99.9 99.9 60.7 93. 59.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.7 437.6 999.9 99.9 99.9 66.0 94. 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 999.9 99.9 99.9 999.9	40.1	105.6	12159.7	200.0	-60.2	99.9	284.0	20.4	19.8	-4.9	337.4	999.9	99.9		40.8	91.	
49.2 124.3 15093.6 125.0 -59.9 99.9 276.5 25.7 25.6 -2.9 386.5 999.9 99.9 99.9 55.9 92. 53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 999.9 99.9 99.9 60.7 93. 59.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.7 437.6 999.9 99.9 99.9 66.0 94. 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 999.9 99.9 99.9 999.9 67.5 95.	42.7	111.3	12986.3	175.0	-62.4	99.9		22.5	22.1	4.3	346.9		99.9	999.9	44.3	92.	
53.7 132.3 16466.1 100.0 -66.7 99.9 284.0 14.2 13.8 -3.4 390.8 999.9 99.9 99.9 60.7 93. 59.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.7 437.6 999.9 99.9 99.9 66.0 94. 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 999.9 99.9 99.9 999.9 67.5 95.	45.6	117. 3	13946.0	150.0	-57.8	99.9				-3.0	370.4		99.9				
59.2 140.0 18195.7 75.0 -64.6 99.9 304.4 6.0 5.4 -3.7 437.6 999.9 99.9 99.9 66.0 94. 60.7 148.3 20702.8 50.0 -59.3 99.9 354.1 3.6 0.4 -3.6 503.9 999.9 99.9 999.9 67.5 95.	49.2	124.3		125.0	<b>-59.9</b>	9949		25.7		-2.9	386.5		99.9				
60-7 148-3 20702-8 50-0 -59-3 99-9 354-1 3-6 0-4 -3-6 503-9 999-9 99-9 999-9 67-5 95-	53.7	132.0	16466.1	100.0	-66.7	99.9	284.0	14.2	13.8	-3.4	390∙€	999.9	99.9		60.7	93.	
	59.2	140.0	10195.7	75.0	-64-6	99.5	304.4	6.0	5.4		437.6		99. 9				
79.1 157.5 25140.0 25.0 -51.2 99.9 206.5 1.3 0.6 1.2 637.7 999.9 99.9 999.9 67.9 95.	66.7	148.3	20702-8		-59.3	99.9		3.6	0.4	-3.6							
	79.1	157.5	25140.0	25.0	-51.2	99.9	206.5	1.3	0.6	1, 2	637.7	999.9	99.9	999.9	67.9	95.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP PEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSBORC. NC

24 APRIL 1975 1721 GMT

152 24. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC .	M/SEC	M/SFC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	7.4	275.0	985.9	24.4	15.6	220.0	9.3	6.0	7.1	300.3	330.8	11.4	58.0	0.0	.0.
99.9	99. 7	99.9	1000-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	2.5	372.1	975.0	22.2	11.9	219.4	7.1	4.5	5.5	298.7	322.9	9.0	52.1	0.3	39.
0.8	10.7	597.1	950.0	19.7	11.4	225.5	8.4	6.0	5.9	298.4	322.5	9.0	58.8	0.5	39.
1.3	12.9	826.1	925.0	17.4	10.8	227.7	11.0	8.2	7.4	298.3	322.1	8.8	64.9	0.7	43.
1.7	15. 3	1059.5	900.0	14.7	10.2	224.7	12.2	8.6	8.7	297.8	321.3	8.7	74.7	1.0	44.
2.1	17.5	1297.5	875.0	12.7	11.1	219.2	11.5	7.3	8.9	298.2	323.8	9.6	90.3	1.3	44.
2.5	19.9	1540.3	850.0	10.2	9.9	224.6	10.6	7.5	7.6	298.0	322.3	9.1	98.1	1.6	42.
3.0	22.1	1709.0	825.0	8.6	8.4	236.7	14.5	12.1	P. 0	298.8	321.6	8.4	98.5	2.0	45.
4.0	24.6	2042.8	800.0	6.9	-6.2	239.1	21.8	18.7	11.2	298.9	306.9	2.8	34.4	3. 1	45.
4.9	26.9	2304.7	775.0	7.8	-1.2	243.1	21.8	19.5	9. 9	302.8	315.7	4.5	53.0	4.2	52.
5.7	29• ♦	2575.1	750.0	7.2	-1.1	249.4	20.2	18.9	7.1	305.0	318.5	4.7	55.4	5. 3	55.
6.6	32.0	2853.2	725.0	5.3	-2.4	258.7	18.7	18.4	3.7	305.8	318.6	4.4	57.6	6.3	5 e.
7.5	34.7	3139,7	700.0	4.1	-3·5	267.7	18.9	18.8	0.8	307.6	319.9	4.2	57.4	7.2	62.
8.5	37.2	3434.6	675.0	2.9	-4.9	268.6	20.1	20.1	0.5	309.4	321.1	3.9	56+4	8. 2	65.
9.5	40.0	3739.0	650.0	0.4	-7.0	268.3	21.1	21.1	0.6	309.9	320.3	3.5	57.5	. 9• 3	68.
10.4	42.6	4053-1	625.0	-1.4	-7.8	268.2	22.2	22.2	0.7	311.2	321.4	3.4	61.6	10.5	71.
11.5	45.4	4377.0	600.0	-4.0	-8.7	267.2	21.6	21.6	1.0	311.9	321.9	3.3	69.9	11.9	73.
12.6	48.4	4711.6	575.0	-5.7	-12.5	267.0	18.3	18.3	1.0	313.6	321.4	2.5	58.6	13.2	74.
17.9	51.3	5059.0	550.0	-7.B	-18.7	271.7	18.8	18.8	-0.6	315.0	320.0	1.6	41.0	14.6	76.
15.0	54.3	541509	525.0	-10-8	-19.3	271.4	19.2	19.2	-0.5	315.6	320.6	1.6	4907	15.8	77.
16.3	57.3	5792.3	500.0	-13-3	-18.7	273.0	20.2	20.2	-1.1	317.0	322.6	1.7	63.3	17.2	78.
17.5	60.6	6180.8	475.0	-16.3	-22.0	274.4	20.2	20.2	-1.5	318.0	322.4	1.4	60.8	18.6	8C.
19.7	64.0	6585.8	450.0	-19.1	-25.1	268.5	23.9	23.9	0.6	319.3	322.9	1-1	58.8	20.2	
20.0	67.1	7005.4	425.0	-21.4	-27.5	272.1	21.3	23.3	-0.8	321.6	324.7	V• 9	57.8	22.0	81.
21.05	70.7	7453.0	400.0	-25.5	-31.1	278.5	22.4	22.2	-3.3	321.9	324.3	0.7	58.9	24 • 1	82.
23.4	74.3	7918.5	375.0	-28.2	-68.0	280.8	16.6	16.3	<b>- 3. 1</b>	324.2	324.2	0.0	1.0	<b>26 •</b> 2	84.
25.0	78.3	8405.9	350.0	-31.9	-59.1	276 <b>.</b> 2	13.5	. 13•4	-1.65	325.6	325.8	0.0	5.3	27.4	85.
27.0	82.2	892 A • 5	325.0	-36.2	-62.5	275.9	16.1	16.0	-1.7	326.7	326.8	0.0	4.7	29. 3	85.
28.9	E6.2	9479.3	300.0	-40.6	99.9	287.0	17.3	16.6	-5.1	328.2	999.9	99.9	999.9	31.0	86.
30.7	90.6	10065.5	275.0	-45.7	99.9	281.4	17.4	17.1	-3.4	329.1	999.9	99.9	999.9	32.9	87.
32,9	95. 3	10693.1	250.0	-51.1	99.9	280.6	21.8	21.4	-4.0	330.1	999.9	99.9	999.9	35. 5	88.
35.0	100.2	11369.4	225.0	-56.9	99.9	267.8	17.9	17.0	-5.5	331.3	999.9	99.9	999,9	37. 7	89.
37 • 3	105.5	12104.7	200.0	-63.2	99.9	283.4	24.8	24.2	,-5·8	332.6	999.9	99.9	999.9	40.4	900
40.0	111.2	12924.5	175.0	-62.7	99.9	285.1	31.9	30.8	-6.3	346.5	999.9	99u <b>9</b>	999.9	44.7	92.
43.0	117.3	13665.9	150.0	-59.2	99.9	291.5	33.2	30.9	-12.2	368.1	999.9	99.5	999.9	51.0	94.
46.3	124.7	15017.7	125.0	-62.5	99.9	271.0	21.5	21.5	-0.4	381.6	993.9	99.9	999.9	55.9	95.
50.6	132.3	16359.9	100.0	-65.3	99.9	275.9	27.0	26.9	-2.8	401.7	999.9	99.9	999.9	62.7	
56.2	140.3	18144.5	75.0	-63.7	99.9	304.7	7.8	6.4	-4.5	439.4	999.9	99.9	999.9	67.3	95.
63.8	148.7	20663.2	50.0	-58.8	99.9	47.1	1.5	-1.1	-1.1	504.9	999.9	99.9	999.9	68.2	
75.9	157.7	25115.9	25.0	-50.6	99.9	999.9	99.9	99.9	99.9	639.7	999.9	99.9	999.9	999. 7	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 327 NASHVILLE. TENN

24 APRIL 1975 1715 GMT

162

14. 0

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE AZ MIN GFM EM DG C DG C ΒG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT K4 DG 0.0 5.5 180.0 992.0 25.2 17.4 190.0 7.7 7.6 300.8 334.5 12.7 62.0 0.0 1.3 · C . 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 93.9 99.9 Ç9.9 99.9 999.9 99.9 999.9 999. 9 999. 0.4 6.8 331.4 975.0 22.4 17.4 559.9 99.9 99.9 59.9 299.5 333.8 12.9 73.2 999.9 999. 1.1 9.0 557.0 950.0 20.2 15.2 999.9 99.9 99.9 99.9 299.2 329.9 11.5 72.8 999. 9 999. 330.1 2.0 11.0 786.7 925.0 18.1 14.0 999.9 99.9 99.9 99.9 299.3 999. 9 999. 11.5 81.2 3.3 299.9 3.0 13.3 1021.3 900.0 :6.4 13.2 228.9 23.6 17.8 15.5 329.4 10.7 80.9 37. 3.9 15.5 1261.2 875-0 14.9 11.5 236.8 23.6 19.7 12.9 300.6 327.1 9.8 80.0 4.5 42. 4. 5 17.7 150€.4 850.0 13.2 10.5 238.7 26.5 22.6 13.7 301.3 326.8 9.4 83.2 5.8 46. 5.6 20.1 1757.4 825.0 11.4 8.7 243.5 25.7 23.0 11.5 301.8 325.4 8.6 83.4 7.1 46. 22.3 2014.8 800.0 10.5 251.7 27.6 303.4 326.5 83.5 51. 6.5 7.5 26.2 8.7 8.4 8.4 7.4 34.3 2279.7 775.0 10.0 257.2 27.2 26.5 6.0 305.8 331.4 9.2 92.1 9.7 55. 8.8 8.3 27.1 2552.2 750.0 8.3 6.2 256.7 25.8 25.1 5. 9 306.6 329.0 8.0 86.7 11.2 58. 9.2 29.7 2832.1 725.0 6.4 257.8 23.4 5.1 307.3 326.5 81.2 12.4 3.4 24.0 628 60. 10.2 32.3 3119.3 700.0 4.0 1 . 1 261.0 22.4 22.2 3.5 307.7 324.7 5.9 80.9 13.7 62. 11.3 35.0 341464 675.0 2.4 -2.2 261.1 24.2 23.9 3. 7 309.0 323.0 4.8 71.1 15.1 64. 12.4 37.6 3718.9 650e9 1.0 -14.0 257.6 26.0 25.4 5.6 310.3 316.6 2.0 32.3 16.8 55. -17.4 317.0 13.5 40.4 4033-6 625.0 -0.5 252.3 26.9 25.6 8.2 312.1 1.6 26.6 18.5 6t. 14.5 43.2 4358.6 600.0 -2.9 -16.7 247.9 30.6 28.3 11.5 313.0 318.4 1.7 33.5 20.6 67. 317.4 12.5 15.8 46.1 4694.8 575.0 -4.0 -28.7 251.7 29.1 27.6 9.1 315.3 0.6 22.7 67. 17.1 49.3 5044.0 550.0 -6.5 -27.6 255.3 29.0 28.0 7.4 316.5 318.8 0.7 16.7 24.7 67. 19.3 52.1 5405.3 525.0 -9.6 -29.7 258.5 30.9 30.3 6.2 316.9 319.0 0.6 17.5 26.8 68. 19.5 55.4 5779.7 500.0 -13.0 -32.2 261.6 35.0 34.7 5.1 317.3 319.0 0.5 14.1 29.2 59. 20.9 475.0 -14.4 32.2 32.1 320.1 321.3 12.9 32.1 70. 58.7 6169.3 -36.8 264.9 2. 9 0.3 22.2 62.3 6577.2 450.0 -10.9 -34.5 268.0 24.8 24.8 0.9 322.0 323.6 0.5 20.2 34.4 71. -39.5 36.4 72. 23.7 65.8 7003.6 425.0 -20.2 263.9 27.0 26.8 2. 9 323.1 324.1 0.3 15.8 73. 25.4 69.5 7449,7 400.0 -23.8 -42.3 272.9 20.8 20.8 -1.0 324.1 324.9 0.2 16.2 38. 8 74. 73.3 -45.2 325.2 325.9 41.4 27.3 7917.7 375.0 -27.4 270.1 26.8 26.8 -0.0 0.2 16.5 29.0 77.5 8411-1 350.0 -30.9 -48.0 276.2 22.4 22.3 -2.4 327.0 327.5 0.1 16.8 43.6 75. 8932.3 -51.4 17.1 77. 30.8 21.7 325.0 -35.3 261.1 19.3 18.9 -3.7 328.0 328.3 0.1 45.8 999.9 33.7 86. 2 9484.4 300.0 -40.0 99.9 999.9 99.9 99.9 99.9 329.1 999.9 99.9 999.9 999. 999.9 35.0 91.0 10072.9 275.0 -44.6 99.9 999.9 99.9 99.9 99.9 330.6 999.9 99.9 999.9 979. 37.2 96.0 10704.B 250.0 -49.5 99.9 268.8 20.9 19.8 -6.8 332.4 999.9 99.9 999.9 51.7 BG 1138c.9 333.8 99.9 999.9 54.3 39.7 101-4 225.0 -55.3 99.9 303.7 20.3 16.8 -11.3 999.9 32. 99.9 999.9 42.3 107.4 12127.7 200.0 -61.3 99.9 287.2 18.4 17.6 -5.5 335.7 999.9 57.3 84. 99.9 909.9 45.2 113.7 12949.4 175.0 -60.4 99.9 267.9 28.5 28.5 1.0 350.3 999.9 61.2 65. 367.9 99.9 999.9 68.7 49.0 120.7 13916.0 150.0 -59.3 **39.9** 267.9 33.9 33.9 1.2 999.9 85.

-62.1

-63.4

-61.0

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128.3

136.5

144.5

153.3

162.0

15052.3

16436.3

18194.7

20712.9

25180.5

24.8

23.7

3.2

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24.2

23.0

-3.1

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-1.2

5.4

-5.6

-0.6

-0.0

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382.5

405.2

445.0

510.5

644.3

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999.9

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE ROCK. ARK

# 24 APRIL 1975 1805 GMT

162 21. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	PH	RANGE	ÁZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	MISEC	M/SEC	DG K	DG K	GM/KG	PCT	K4	DG
0.0	5. €	79.0	1005.4	24.4	18.3	240.0	4-1	3.6	2. 1	298.9	334.1	13.4	69.0	0.0	0.
0.2	5.9	126.3	1000.0	24.0	18.0	241.6	1.8	1.6	0.8	298.9	333.7	13.2	69.6	0. 1	12.
0.8	8.1	347.9	975.0	22.4	18.0	228.5	2.5	1.9	1.6	299.5	335.2	13.5	76.0	0.2	21.
1.6	10.3	573.8	950.0	20.4	17.3	223.4	6.3	4.3	4.6	299.6	334.7	13.3	82.8	0.4	33.
2.4	12.4	803.9	925.0	18.2	16.7	230.7	9.4	7.2	5.9.	299.6	334.3	13.1	91.2	0. €	41.
3.4	14.7	1038.7	900.0	16.2	15.2	233.1	11.1	8.9	6.7	299.9	332.4	12.2	93.6	1.3	45.
4.3	16.9	1278.6	875.0	15.1	14.1	248.2	11.3	10.5	4.2	301.0	332.3	11.7	.93.9	1.9	50.
5.2	19.2	1524.4	850.0	13.8	12.8	254.4	10.8	10.4	2.9	302.0	331.8	11.0	93.9	2.5	55.
6.1	21.4	1776.4	825.0	12.5	11.6	249.9	12.3	11.6	4.2	303.2	331.8	10.5	94.3	3.1	59.
6.9	23.8	2034.9	800.0	11.3	10.6	253.6	13.1	12.6	3,7	304.6	332.3	10.1	95.3	3. 7	61.
7.B	26 · 1	2300.0	775.0	9.6	2.8	246.9	17.9	16.5	7.0	304.9	322.0	6 - 1	62.5	4.6	63.
8.9	28.7	2573.5	750.0	10.3	0.4	236.3	20.0	16.6	11.1	308.4	323.7	5.3	50.3	5.9	63.
10.2	31.4	2854.9	725.0	9.0	-13.3	231.5	17.d	13.3	10.6	309.6	315.5	. 1.9	19.1	7. 3	60.
11.3	34.1	3143.9	700.C	6.7	-45.8	241.1	13.5	11.9	6.5	309.9	310.2	0.1	1.0	8.4	60.
12.5	36.6	3441.1	675.0	4.7	-47.0	247.2	12.7	11.7	4.9	310.9	311.2	0.1	1.0	9.2	60.
13.5	39. 4	3747.1	650.0	2.6	-48.4	253.0	15.1	14.5	4.4	311.9	312.1	0.1	1.0	10. G	961.
14.7	42.1	4062-9	625.0	0.8	-49.5	259.9	19.6	19.3	3.4	313.4	313.6	0.1	1.0	11.2	63.
15.9	45. 1	4389.1	600.0	-1.5	-50.9	264.0	23.4	23.2	2.4	314.3	314.5	0.1	1.0	12.6	65.
17.2	48.1	4726.6	575.0	-3.4	-52.1	265.8	27.8	27.8	2.1	316.0	316.2	0.1	1.0	14.6	<b>58</b> •
18.5	51.1	5076.2	550.0	-6.0	-53.7	266.2	29.6	29.6	1.9	316.9	317 - 1	0.0	1.0	16.9	70.
19.7	54.4	5438.3	525.0	-8.9	-55.6	269.8	32.0	32.0	0.1	317.6	317.8	0.0	1.0	16.9	72.
21.0	57.4	5813.6	500.0	-12.0	-57*5	268.8	27.7	27.7	0.6	318.4	318.5	0.0	1.0	21.2	74.
22.3	60.9	6204.8	475.0	-13.6	-58.5	258.5	25.3	24.8	5.1	321.1	321.2	0.0	1.0	23.2	75.
23.7	64.5	6613.2	450.0	-17.1	-60. B	256-1	24.5	23.7	5.9	321.7	321.8	0.0	1.0	25. 1	75.
25.3	68.5	7039.5	425.0	-20.2	-61.4	259.3	23.8	23.4	4.4	323.0	323.0	0.0	1.2	27.6	75∙
27.0	71.6	7485.6	400.0	-23.8	-60.9	260.4	25.7	25.3	4. 3	324.0	324.1	0.0	1.8	30 - 1	76.
29.0	75.7	7952.9	375.0	-28.0	-61.4	264.1	26.9	26.8	2.8	324.5	324.6	0.0	2.4	33• l	76.
30.7	79.8	8445.1	350.0	-31.1	-62.2	265.2	23.5	23.4	2.0	326.8	326.9	0.0	2.9	35.7	77.
32.5	84.0	8965.8	325.0	-35.5	-63.8	263.1	24.2	24.0	2.9	327.7	327¢8	0.0	3.6	38.2	78.
34.3	58.2	9518.6	300.0	-39.7	99.9	269.0	21.6	21.6	0.4	329.4	999.9	99.9	999.9	40. 6	76.
36.3	93.0	10107.0	275.0	-44.5	99.9	268.2	22.1	22.1	0.7	330.7	999.9	99.9	999.9	43.5	79.
38.5	98.0	10738.1	250.0	-49.3	99.9	271.5	22.2	22.2	-0.6	332.8	999.9	99.9	995.9	46.1	7.9
40.8	103.3	11421-1	225.0	-54.7	99.9	267.2	24.1	24.1	1.2	334.7	999.9	99.9	999.9	49.7	80.
43.6	109.3	12169.4	200.0	-56.3	99.9	270.0	26.0	26.0	-0.0	340.5	999.9	99.9	999.9	53.8	61.
40.3	115.5	12999.9	175.0	-63.1	99.9	260.9	26.5	26.1	4.2	345.7	999.9	99.9	999.9	57.5	- A1-
49.6	122.7	13950.2	150.0	-62-1	99.9	262.7	35.2	34.9	4.5	363.2	999.9	99.9	999.9	63.7	81.
53.6	120.3	15076.8	125.0	-61.6	99.9	262.5	33.2	32.9	4.3	383.5	999.9	99.9	999.9	71.6	62.
58.0	1 38. 3	16459.0	100.0	-61.5	99.9		20.7	20.7	-1.4	408.9	999.9	99.9	999.9	80.2	82.
63.2	146.7	18205.0	75.0	-66.9	99.9	248.3	13.4	12.4	4.9	432.6	999.9	99.9	999.9	83.0	82.
70.9	155.7	20722.0	50.0	-58.1	99.9	325.2	4.7	2.7	-3.9	506.7	999.9	99.9	999.9	87.5	82.
81.7	364.5	25163.1	25.0	-52.0	99.9	72.7	4.7	-4.5	-1.4	635.4	999.9	99.9	99909	89. 9	83.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 349

## 24 APRIL 1975

1804 GMT 158 15. 0 TIME CATCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GP4 MB DG C DG C DG M/SEC M/SEC M/SE C DG K DG K GM/KG PCT KM DG 326.5 0.0 0. 0.0 43R.0 960.2 20.5 13.9 140.0 5.7 -3.7 4.4 298.5 10.5 66.0 8.0 999.9 999.9 999. 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99. 9 999.9 975.0 939.9 999. 99.9 C9.9 99.9 99.9 59.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 298.3 325.9 0.3 332. 0.3 8. 8 530.3 950.0 19.4 13.6 149.1 10.6 -5.4 9.1 10.4 68.9 C. 9 330. 10.9 759.3 925.0 17.1 12.4 161.3 13.1 -4.2 12.4 298.1 324.4 9.9 73. A 1.1 1.4 338. 300.6 330.4 11.1 81.0 1.8 13.1 993.5 900.0 17.1 13.8 161.8 14.0 0.4 14.0 302.1 331.6 2.1 351. 1234.3 875.0 16.3 13.2 209.2 14.2 12.4 11.0 82.1 2. 7 15.3 6.9 74.4 2. 7 17.5 1481.2 223.7 10.6 303.5 329.9 9.7 3.7 85C.0 15.3 10.8 14.7 10.1 4. 1734.0 13.5 15.3 11.4 304.0 328.4 74.7 3.5 14. 4.7 19.8 825.0 9.1 222.2 10.3 8.9 1992.8 800.0 11.8 7.4 224.1 17.0 12.2 304.8 327.4 74.2 4.3 19. 5.6 22.0 11.8 8. 1 24.5 2258.6 6.6 775.0 11.7 0 - 5 244.7 16-9 15.3 7.2 307.1 321.9 5.1 46.2 5. 1 25 7.5 26.5 2533.4 750.0 12.2 -11.5 249.7 19.0 17.8 6.6 310-1 316.6 2.1 17.8 5.9 33, 8.6 29.3 2816.0 725.0 10.1 -12.9 249.3 19.1 17.9 6.8 310.8 316.8 1.9 18.3 6.9 39. 9.7 32.0 3106-1 700.0 7.8 -14.0 246.4 21.2 19.4 8.5 311.3 317.1 1.8 19.6 8. L 43. 19.1 311.5 317.2 22.5 9.4 47. 10.8 34.7 3404.4 675.0 5.1 -14.6 248.1 20.6 7.7 1.8 37.2 3710.7 650.0 2.1 -15.4 251.7 20.0 19.5 6.5 311.5 317.1 1.8 26.0 10.7 50. 12.0 316.3 26.1 12.1 52. 13.1 4 C. 1 4025.5 625.0 -0.9 -17.9 251.2 20.0 19.0 6.5 311.6 1.5 19.1 316.7 25.8 13.3 54. 42.7 4345.8 600.0 -3.2 -20.0 254.9 19.8 5.1 312.5 1.3 14.3 4684.7 316.2 27.4 14.7 57. 15.5 45.7 575.0 -6.4 -22-1 265.4 20.7 20.6 1.7 312.6 1.1 316.3 0.9 25.9 16.0 60. 5030.4 550.0 -9.1 -25.1 268.3 23.2 23.2 0.7 313.4 16.7 40.0 17.9 51.6 5390.2 525.0 -9.9 -30.6 261.6 28.1 27.8 4.1 316.6 318.5 0.6 16.4 17.8 62 27.5 320.1 0.5 15.3 20.1 64. 19.3 55.0 5765.0 500.0 -12.0 -33.1 250.6 29.1 9.7 318.5 20.7 58.1 6155.1 475.0 -15.4 -36.3 248.4 31.9 29.6 11.7 318.9 320.2 0.4 14.7 22.5 64. 22.1 61.6 6561.7 45C.0 -18.0 -37.0 249.2 32.5 30.4 11.6 320.6 321.9 0.4 17.0 25.3 65. 23.7 6986.0 425.0 -21.5 -37.2 254.9 33.4 32.2 8.7 321.5 322.8 0.4 22.5 28.4 66. 65.1 400.0 322.6 0.3 21.3 31.5 67. 25. 2 68.7 7429.2 -25.6 -41.3 256.6 33.6 32.7 7.8 321.7 -29.2 -34.6 72.5 375.0 31.8 31.1 6.4 322.9 324.8 0.5 59.2 34. 8 68. 27.0 7894.3 258.4 76.7 350.0 325.6 0.3 49.7 38.3 69. 26.5 8383.6 -32.9 -39.8 259.4 36.1 35.5 6.6 324.4 -45.3 326.6 0.2 40.4 42.5 70. 80.9 5901 · 1 325.0 257.0 35.1 34.2 7.9 325.9 30.6 -36.8 999.9 99.9 999.9 46.3 70. 32.4 85.3 9450.4 300.0 -41.2 99.9 256.7 37.8 36.8 8.7 327.3 275.0 999.9 999.9 71. 30.9 4.3 328.2 99.9 51.1 34.6 90.0 10035.0 -46.3 99.9 262.2 31.2 250.0 -50.3 39.1 7.1 331.3 999.9 99.9 999.9 55.7 72. 36.9 95.2 10662.8 99.9 259.7. 39.8\* 73. 39.3 100.5 11341.1 225.0 -55.7 99.9 264.3 33.30 33,2 3. 3 333.2 999.9 99.9 999.9 61.0 -60.5 99.9 260.6 32.1\* 31.7 5.3 337.0 999.9 99.9 999.9 66. 1 74. 42.0 106.5 12052.9 200.0 175.0 99.9 31.5\* 31.0 5.4 346.3 999.9 99.9 999.9 71.5. 74. 44.7 112. 3 12909.1 -62.B 260.1 99.9 366.7 999.9 99.9 999.9 77.3 74. 254.1 30.2\* 29.0 8.3 47.9 115.8 13868.6 150.0 -60.0 75. 99.9 258.8 29.8\* 29.3 5.8 386.0 999.9 99.9 999.9 84.5 125.0 -59.1 51.6 127.7 15010.2 411.3 91.2 2.7 999.9 99.9 999.9 75. 100.0 99.9 263.7 25.0+ 24.9 56.1 130.0 16399.4 +60.3 999.9 99.9 999.9 75. 99.9 262.7 12.1+ 12.0 1.5 434.4 96.5 16169.3 75.0 -66.1 62.0 144.3 999.9 99.9 999.9 99.7 76. 7.4 -4.8 507.6 69.6 153.0 20702-1 50.0 -57.7 99.9 310.7 5.6

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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 363 AMARILLO. TEX

24 APRIL 1975 1715 GMT

144 21. 0

			•													
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	13.2	1095.0	867.0	22.5	-3.7	340.0	5-1	1.7	-4.8	306.4	316.1	3.3	17.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	995. 9	999.	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
59.9	59.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	900.0	99.9	99.3	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999. 9	9990	
0.	14.2	1212.8	875.0	20.4	-3.3	10.5	4.6	-0.8	-4.5	305.5	315.5	3.4	20.0	0.2	155.	
1.0	16.1	146104	850.0	17.6	-5.5	355.0	4.6	0.4	-4.6	305.0	313.8	3.0	20.2	0.3	170.	
1.6	18.3	1715.9	825.0	16.7	-7.2	339.9	4.7	1.6	-4.4	306.6	314.7	2.7	18.7		166.	
2.5	20.4	1976.5	800.0	14.3	-9.1	336.2	3.3	1.3	-3.1	306.7	313.9	2.4	18.9		165.	
3.	22.5	2243.1	775.0	12.2	-10.7	310.7	4.7	3.6	-3.1	307.2	313.8	2.2	19.0		161.	
4.1	24.7	2516.6	750.0	10.3	-12.2	283.4	5 . 8	5 • 6	-1.3	308.0	314.1	2.0	19.1		151.	,
4.5	26.8	2797.0	725.0	7.8	-14.1	256.4	7.9	7.6	1.9	308.3	313.7	1.8	19.3		138.	
5.6	29.2	3085.0	700.0	5.7	-13.6	251.2	9.2	8.7	3.0	309.0	314.9	1.9	23.3		123.	
6.6	31.7	3380.8	675.0	2.9	-15.2	254.2	9.4	9-1	2.6	309.1	314.5	1.7	24.9		110.	
7.1	34.2	3694.8	650.0	0.4	-15.1	260.0	10.2	10.0	1.8	309.6	315.2	1.8	30.1		192.	
8.0	36.5	3998.0	625.0	-2.0	-17.5	259.7	11.5	11.3	2.1	310.4	315.2	1.6	29.3	3.0	98.	
9.7	39.1	4321.6	600.0	-3.4	-24.6	258.5	14.0	13.8	2.8	312.2	315.1	0.9	17.5	3. 7	94.	
10.	41.6	4657.2	575.0	-5-1	-28.3	252.1	17.5	16.6	5. 4	314.0	316.2	0.6	16.2	4.7	90.	
11.5	44.3	5005.3	550.0	-6.6	-29.3	247.8	21.2	19.6	- 8 • 0	316.3	328.4	0.6	14.3	0.0	- 8ۥ	
13.0	47.1	5367.0	525.0	-8+6	-30.9	246.5	23.6	21.6	9.4	318.1	320.0	0.5	14.5	7.4	82.	
14-1	50.1	5743.0	500.0	-11.7	-33.2	242.8	27.1	24.1	12.4	318.7		0.5	14.7	9.0	79.	
15.2	52.9	6133.7	475.0	-14.8	-35.6	241.9	28.5	25.1	13.4	319.7	321.0	0.4	15.0	10.7	7£.	
16-4	55-8	6540.7	450.0	-17.9	-28.7	244.2	29.9	26.9	13.0	320.8	323.5	0.8	38.4	12.7	74.	
17.6	58. 9	6965.7	425.0	-21.0	-29.7	247.5	30.8	28.5	11.8	322.1	324.7	0.8	4.5.1	15.0	73.	
19.0	62-3	7410.3	400.0	-24.9	-34.1	248.8	31.7	29.6	11.5	322.7	324.5	0.5	41.7	17.6	72.	
20.4	65.6	7876 <b>.</b> 5	375.0	-28.5	-37.1	249.6	34.2	32.1	11.9	323.9	325.4	0.4	43.0	20.4	72.	
22.0	69-1	8366+6	350.0	-32.7	-40.6	249.4	35.2	32.9	12.4	324.6	325.7	0.3	44.7	23.6	71.	
23.6	72.6	8683.9	325.0	-37-1	-43.9	246.1	35.9	32.6	14.5	325.5	326.3	0.2	46.5	27.2	71.	
25.4	76.6	9432.5	300.0	-41.2	99.9	246.0	35.9	32.8	14.6	327.3	999.9	99.9	999.9	30. 7	70.	
27.	80.6	10018.0	275.0	-45.7	99.9	247.9	37.3	34.5	14.0	329.1	999.9	99.9	999.9	35. 1	70.	
29.2	85.0	10646.1	250.0	-50.2	99.9	247.4	38.0	35.1	14.6	331.4	999.9	99.9	999.9	39, 3	70.	
31 • 2		11327.0	225.0	-55.1	99.9	249.8	44.8	42.0	15.5	334.1	999.9	99.9	999.9	44.4	70.	
33.7	94.6	12071.2	200.0	-59.2	99.9	253.0	41.9	40.1	12.3	339.1	999.9	99.9	999.9	50• I	70.	
36.5		12901.6	175.0	-61e5	99.9	249.5	43.6	41.0	15.4	348.5	999.9	99.9	999.9	55. 7	70.	
39.7		13863.8	150.0	-58.8	99•9	266.0	21.3	21.3	1.5	368.8	999.9	99.5	999.9	64. 5	70.	
43.5		15009.2	125.0	-59.4	99.9	255.4	38.8	37.5	9. 8	387.4	999.9	99.9	999.9	70.9	71.	
48.		1640c.3	100.0	-59.9	99.9	253.4	23.9	22.9	6.8	412.0	999.9	99.9	999.9	79.7	72.	
53.4		18202.3	75.0	-60.4	99.9	254.7	35.3	34.0	9.3	446.4	999.9	99.9	999.9	85. 4	72.	
√60.4		20729.0	5C.0	-54.3	99.9	72.3	14.8	-14-1	-4.5	515.6	999.9	99.9	999.9	90.9	72.	
74.2	154.0	25197.6	25.0	-51.9	99.9	238.4	8.5	7.2	4.4	635.4	999.9	99.9	999.9	92. 6	73.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEWF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 402 WALLOPS ISLAND. VA

24 APRIL 1975 1715 GMT

158 18. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	PANGE	AZ	
MIN		G₽M	BM	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.4	4.0	1015.6	13.3	10.5	999.9	99.9	99.9	99.9	286.2	306.4	7.9	83.0	999.9	999.	
0.4	5. 5	136.3	1000.0	18.6	12.6	999.9	99.9	99.9	99.9	293.0	317.3	9.3	68.1	999.9	999.	
1.2	7.6	354.4	975.0	19.3	12.8	599.9	99.9	99.9	99.9	295.9	321.3	9.6	66.0	999.9	999.	
1.8	9. 3	577.4	950.0	17.3	11.6	999.9	99.9	99.9	99.9	296.0	320.1	9.1	69.3	999. 9	999.	
2. 7	11.3	804.7	925.0	16.4	9.6	999.9	99.9	99.9	99.9	297.1	319.1	8.2	64.4	999• 9	999.	
3.5	14.1	1039.1	900.0	17.5	8.2	999.9	99.9	99.9	99.9	300.6	321.4	7.6	54.3	999. 9	999.	
4.1	16.1	1279.2	875.0	15.4	7.0	999.9	99.9	99.9	99.9	300.8	320.6	7.2	57.2	999 <u>.</u> 9	999.	
4.9	16.5	1524.7	850.0	13.9	6.4	999.9	99.9	99.9	99.9	301.7	321.3	7.1	60.5	999.9	999.	
5.5	20.7	1776.0	825.0	11.7	5.5	999.9	99.9	89.9	99.9	301.9	321.0	6.9	65.5	995.9		
6.2	23.1	2032.9	800.0	9.9	4.9	999.9	99.9	99.9	99.9	302.6	321.6	6.8	71.2	999. 9		
7.1	- 25.4	2296.3	775.0	7.5	4.7	999.9	99.9	99.9	99. 9	302.8	322.0	6.9	82.2	999. 9		
7.5	27.8	2565.8	750.0	5.4	4.2	999.9	99.9	99.9	99.9	303.3	322.7	6•9	92.2	999. 9		
8.7	30.4	2842.5	725.0	3.♠	2.2	995.9	99.9	99.9	99.9	304.0	321.5	6.2	91.7	999. 9		
9.5	33.1	3126€8	700.0	1.7	0.7	999.9	99.9	99.9	99.9	305.1	321 • 4	5.8	93.1	999.9		
10.5	35.6	3419.8	675.0	0.0	-1.8	999.9	99.9	99.9	99.9	306.3	320.7	5.0	87.7	999. 9		
11.3	36.3	3721.9	650.0	-1.4	-4-1	999.9	99.9	. 99•9	99.9	307.9	320.6	4 - 4	81.9	999.9		
12.2	41.0	4033.4	625.0	-3.7	-5.7	999.9	99.9	99.9	99.9	308.7	320.5	4.0	86.3	999.9		
13.2	43, 7	4354.6	600.0	-5.9	-7.1	999.9	99.9	99.9	99.9	309.8	320.9	3.7	90.8	999.9		
14.3	46.9	4687.0	575.0	-8.8	-18.1	999.9	99.9	99.9	99.9	309.€	315.0	1.7	48.3	999.9		
15.3	50 <b>.</b> 0	5029.8	550.0	-11.0	-22.3	999.9	99.9	99.3	99.9	311.1	314.8	1.2	38.6	999. 9		
16.4	52.9	5386.2	525.0	-12.7	-21.6	999.9	99.9	99.9	99•9	313.3	317+5	1.3	47.1	999. 9		
17.4	55.9	5758.8	500.0	-13.2	-21.4	999.9	99.9	99.9	99.9	317.0	321.5	1.4	50.2	999.9		
18.6	59.3	6148.8	475.0	-14.5	-26. B	999.9	99.9	99.9	99.9	320 · i	323.1	0.9	34.1	999.9		
19.7	62.7	6556.1	450.0	-17.5	-31 • 1	999.9	99.9	99.9	99•9	321.3	323.4	0.6	29.1	999. 9		
21.1	65.1	6982-1	425.0	-20.2	-34.6	999.9	99.9	99.9	99. 9	323, 1	324.8	0.5	26.1	999.9		
22.5	70.0	7427.8	400.0	-24.3	-35.9	999.9	99.9	99.9	99.9	323.4	325.0	0.4	33.1	999. 9		
24.0	73.7	7895.1	375.0	-28.1	-39.0	999.9	99.9	99.9	99.9	324.4	325.6	0.3	34.0	999.9		
25.4	77.8	8385.8	350.0	-32.3	-44.5	999.9	99.9	99.9	99.9	325.1	325.8	0.2	22,5	999.9		
27.1	- 81.8	8904.5	325.0	-36.5	-42.7	999.9	99.9	99.9	99.9	3∠6.3	326.7	0.1	57.0	999. 9		
29.0	86.2	9454.0	300.0	-41.1	99.9	999.9	99.9	99.9	99.9	327.5	999.9	99.9	268° <b>6</b>	999.9		
30.9	91.0	10038,2	275.0	-46.2	99.9	999.9	99.9	99.9	99.9	328.3	999.9	99.9	99909	999. 9		
32.5	95.8	10664.5	250.0	-51.4	99.9	999.9	59.9		99.9	329.6	999.9	99.9	698.9	999.9		
34.7	101.0	11338.4	225.0	-57.9	99.9	999.9	99.9	99.9	99.9	329. 8	999.9	99.9	999.9	999.9		
36.6	1 C6. 8	12073.2	200.0	-62.4	99.9	999.9	99.9	99.9	99.9	333.9	999.9	99.9	999.9	999.9		
39.0	112.8	12890.3	175.0	-64.8	99.9	999.9	99.9	99.9	99.9	343.0	999.9	99.9	999.9	999.9		
41.7	119.3	13829.0	150.0	-64.2	99.9	999.9	99.9	99.9	99.9	359.5	999.9	99.9	999.9	999.9		
45.4	126.7	14956.4	125.0	-58.1	99.9	999.9	99.9	99.9	99.9	389.8	999.9	99.9	999.9	999. 9		
49.7	134.7	16364.5	100-0	-60.9	99.9	999.9	99.9	99.9	99.9	410.1	999.9	99.9	999.9	999-0		
55.0	142.3	18134.7	75.0	-63.3	99.9	999.9	99.9	99.9	99, 9	44043	999.9	99.9	999.9	999.9		
61.8	150-3	20654.8	50.0	-57.6	99.9	999.9	99.9	99.9	99.9	5(°7° 9	999.9	99.9	999.9	999.9		
72.6	158.7	25100.1	25.0	-51.3	99.9	999.9	99.9	99.9	99. 9	637.7	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 405 STERLING. VA

24 APRIL 1975 1736 GMT

165 14. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	BIG	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ.	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.9	85•0	1001.7	23.9	14.6	210.0	8 • 2	4.1	. 7 <b>.</b> 1	298.3	326.3	10.5	56.0	0.0	G.	
0.1	6.1	99.8	1000.0	23.6	99.9	53.2	11.0	-8.8	-6.6	296.7	999.9	99.9	999.9	1.0	24.	
0.7	8.5	319.3	975.0	21.9	99.9	56.0	6.5	-5.4	-3.6	297.2	999.9	99.9	999.9	C. 9	180	
1.3	10.8	543.2	950.0	19.6	99.9	208.9	5.9	2.9	5.2	298.1	999.9	99.9	999.9	0.8	16.	
2.1	13.2	772.2	925.0	17.5	11.5	213.5	10.9	6.0	9-1	298.5	323.4	9.3	68.0	1.3	21.	
3.0	15.6	1005.8	900.0	15.1	11.2	221.5	11.6	7.7	8.7	298.3	323.4	9.4	77.5	1.9	27.	
3.8	18.0	1243.9	875.0	13.0	10.6	229.8	13.9	10.6	9.0	298.5	323.3	9.3	85.8	2.5	31.	
4.7	20.5	1387.7	850.0	11.5	9.5	246.2	17.6	15.1	7.1	299.4	323.7	9.0	88.8	3. 2	36.	
5.7	23.0	1737.5	825.0	11.3	8.6	260.1	19.0	18.7	3.3	301.6	324.9	8.5	83.5	4.2	47.	
6.9	25.6	1995.2	800.0	11.0	6 • 3	264.1	18.6	18.5	1.9	303.9	324.8	7.5	73.0	5. 3	56.	
8.0	28.1	2259.9	775.0	9.5	4.9	260.8	16.8	16.6	2.7	304.9	32406	7.0	73.0	€. 4	61.	
9.0	30.9	2531.3	750.0	7.3	3.5	257.3	16.7	16.3	3∙.7	305.4	324.0	6.6	76.9	7.3	€3.	
9.8	33.7	2510.0	.725.0	5.5	2 • 5.	256.8	17-1	16.7	. 3.9	306.3	324.2	6.3	81.1	8.1	54.	
10.7	36.4	3096.3	700.0	3, 2	1.5	258.1	18.6	18.2	3.8	306.8	324.2	6.1	88.6		66.	
11.5	39.1	3390.3	675.0	1 - 1	-0.0	257.7	20+2	19.8	4.3	307.6	323.8	5.7	9.2 • 4	10.0	67.	
12.4	41.9	3693.4	650.0	-0.8	-1.7	254.4	21.2	20.4	5.7	308.7	323.8	5.2	94.0	11.0	66.	
13.4	44.9	4006.4	625.0	-2.2	-5.9	248.3	23.6	21.9	8.7	310.4	322.1	4.0	76.0	12.3	6 ⊭•	
14.4	47.9	4329.5	600.0	-4.7	-9.3	248.3	26.4	24.6	9.8	311-1	320.6	3.2	70.2	14.0	68.	
15.7	50.8	4663.4	575.0	-7.0	-31.8	249.7	27.9	26.1	9.7	312.1	320.3	2. 7	68.4	16.0	65.	
17.0	54.0	5008.6	550.0	-9.2	-13.2	250.2	26.8	25.3	9.1	313.4	321.2	2.5	73.1	18.3	6.90	
18.2	57.1	5367.7	525.0	-11-0	-15.4	252.5	24.7	23.5	7.4	315.4	322.3	2.2	70.2	<b>20.</b> 2	69.	
19.3	60.5	5741.6	500∙ €	-13.0	-19.0	259.8	20.9	20.6	3.7	317.4	322.9	1.7	60.4	21.6	69.	
20.4	63.9	6131.0	475.0	-15-2	-22.9	265+8	19.2	19-1	1.4	319.2	323.4		52.0	22.9	760	
21.6	67.1	6537.7	450.0	-17.9	-24.5	265.6	18.8	18.7	1.4	320.8	324.7	1.2	5.5.4	24.2	71.	
22.9	70.6	6963.1	425.0	-20.9	~26·7	264.6	20.4	20.3	1.9	322.2	225.6	1.0	59.4	25.7	72.	
24.4	74.3	7408+4	400+0	-24.1	-29.6	267.7	20.4	20.4	0.8	323.8	326.5	0.8	59.8	27 • 5	73.	
25.9	78.2	7876.3	375.0	-27.4	-33.9	267.2	19.7	19.7	1.0	325.3	327.3	0.6	53.9	29. 3	73.	
27.6	82.0	8368.9	350.0	-31-1	-38.6	270∙€	23.2	23.2	-0.2	326.8	328.1	0.4	47.1	31 • 3	75.	
29.2	86. O	8389.5	325.0	-35.5	-43.1	269.8	24.7	24.7	0.1	327.7	328.6	0.3	45.3	<b>3</b> 3• 5	76.	
30.9	90.5	9441.4	30C.0	-40.3	99.9	276.4	25.2	25.0	-2.8	328.6	959.9	99.9	999.9	35. 7	77•	
32.7	95.1	10029.0	275.0	-45.9	99.9	278.9	23.6	23.3	<b>-3.6</b>	328.7	997.9	99.9	999.9	38 • 1	78.	
34,5	99.8	10654.4	250.0	-51.6	99.9	282.4	26.4	25.8	-5.7	329.3	999.9	99.9	999.9	40. 8	60.	
C 36. 6	104.8	11328.2	225.0	-58.0	99.9	283.6	30.5	29.6	-7.1	329.6	999.9	99.9	999.9	44.1	97.	
38.9	110.4	12059.2	200.0	-64.8	99.9	287-1	40.1	38.3	-11.8	330.1	999.9	99.9	999.9	48.9	64.	
41.5	116.0	12878.3	175.0	-64.0	99.9	283.2	20.5	19.9	-4.7	344.3	999.9	99.9	999.9	53.1	80.	
44.9	122.8	13817.7	150.0	-62.7	99.9	282.6	25.8	25.1	-5.6	362.0	999.9	99.9	999.9	57.6	87.	
48.7	130.0	14957+1	125.0	-59.2	99.9	269.4	27.7	27,07	0.3	387.8	999.9	99.9	999.9	63,4	84.	
53.8	137.7	16362.4	100.0	-57.4	99.9	286.7	15-1	14.5	-4.3	416.8	999.9	99.9	999.9	70.3	69.	
59.8	145.7	18139.2	75.0	-65.2	99.9	315.1	13.4	9.4	-9.5	436.3	999.9	99.9	999.9	74+5	91.	
67.8	154.7	20666.8	50.0	-57.2	99.9	346.2	5.2	1.2	-5.0	568.9	997.9	99.9	999.9	75. 6	92.	
79.8	164.5	25101.3	25.0	-51.9	99.9	22.5	2.2	-0.8	-2.0	635.6	999.9	99. 9	999.9	70. L	93.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 425 HUNTINGTON. WVA

APRIL 24 1975 1730 GMT

139 76. 0 PRES DIR SPEED U COMP V CCMP POT T E POT T MX RTO RН RANGE AZ TIME CATCT **HEIGHT** TEMP DEW PT DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KW DG MIN GFM MB 246.0 981.4 18.3 16.1 270.0 10.3 10.3 0.0 294.6 325.4 11.8 87.0 0.0 0.0 8. 1 99.9 999.9 99.9 999.9 999.9 999. 99.9 99. 9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 0.2 31. 0.2 302.3 975.0 17.9 16.1 295.2 11.7 10.6 -5.0 294.8 325.8 11.9 88.9 8.7 326.4 0.5 129. 0.9 10.7 524.8 950.0 17.1 15.2 301.5 12.3 10.5 -E. 4 296.1 11.6 P8.5 297.5 326.0 10.7 83.9 1.0 121. 1.6 13.4 753.0 925.0 16.4 13.7 270.9 12.3 12.3 -0.2 2.3 15.7 986.4 900.0 14.8 13.7 249.2 16:2 15.1 5.8 298.2 327.6 11.0 93.1 1.6 103. 18:2 1224.8 875.0 13.4 13.0 240.6 13.4 11.6 €.6 299.2 328 - 1 10.8 97.0 2.0 93. 3.0 85C.0 12.0 11.5 240.2 18.1 15.7 9.0 300.1 327.2 10.1 96.3 2. 8 83. 3.9 20.6 1469.1 23.1 1719-1 825.0 10.4 9.3 237.4 20.5 17.3 11.1 300.8 325.2 9.0 92.6 3. 7 77. 4.7 301.9 321.9 7.3 79.2 5.5 71. 6.1 25. 6 1975.5 800.0 9.2 5.8 243.0 23.3 20.8 10.6 7.7 7.7 28. 2 2238.1 775.0 7.3 3.7 241.1 27.5 24.0 13.3 302.5 320.5 6.5 78.0 68. 79.2 302.4 318.2 5.7 10.0 67. 9.0 30. 9 2507.4 750.0 4.7 1.4 245.0 29.0 26.3 12.2 77.9 10.5 33.7 2783-1 725.0 2.2 -1.3 247.4 29.5 27.2 11.4 302.5 316.2 4.8 12.8 67. 14.7 303.7 317.0 4.7 81.6 67. 11.7 36.2 3065.8 700.0 0.5 -2.2 245.6 26.9 24.5 11.1 16.7 304.6 83.4 67. 12.9 39.1 3356.1 675.0 -1.4 -3.9 244.6 25.8\* 23.3 11.0 316.9 4.3 325.1 19.3 14.5 41.5 3658.9 650.0 0.1 -1.5 247.3 28.1\* 26.0 10.9 309.7 5.3 89.4 67. 16.0 44.8 3974.0 625.0 -0.8 -2.7 246.7 23.7\* 22.1 8.6 312.1 326.9 5.0 87.3 21.7 67. 17.6 47.8 4298.6 600.0 -3.4 -6.4 248.2 29.9\* 27.7 11.1 312.7 324.5 4.0 79.9 24.2 67. 575.0 -5.0 -9.7 247.7 26.1\* 24.2 9.9 314.5 324.2 3.2 69.4 26.6 67. 19.0 50 . 7 4634.5 4983.0 550.0 -6.7 -12.2 246.7 28.3\* 26.0 11.2 316.4 324.8 2.7 64.9 29.3 67. 20.7 53 6 325.3 22.4 5345.1 525.0 -8.9 -14-7 248.3 27.1\* 25.2 10.0 318.0 2.3 62.5 32.0 67. 56.9 5722.0 500.0 -10.9 -16.9 248.5 32.5\* 30.2 11.9 319.9 326.4 2.0 61.4 35.3 67. 24.3 60.1 6114.6 475.0 -13.4 -19.4 248.5 30.4\* 28.3 11.1 321.5 327.2 1.7 60.5 38.9 67. 26.0 63.6 -15.6 -21.6 32.3\* 29.5 13.1 323.7 329.7 1.5 59.9 41.5 67. 27.4 66. 9 6524.6 450.0 246.1 28.9 70.4 6953.6 425.0 -18.5 99.9 248.6 35.7\* 33.3 13.0 325.3 999.9 99.9 999.9 44.4 67. 327.0 999.9 99.9 999.9 47.7 30.5 74.0 7402.9 400.0 -21.6 99.9 256.3 31.2\* 30.3 7.4 68. 32.6 78.0 7875.1 375.0 -25.0 99.9 260.8 32.0\* 31.6 5 · 1 328.5 999.9 99.9 999.9 51.5 69. 34.2 81.8 8373.1 350.0 -28.7 99.9 260.8 30.6 30.2 4.9 330.1 999.9 99.9 999.9 54.6 59. 36.1 25. 9 8899.7 325.0 -32.4 99.9 262.8 31.2\* 31.0 3.9 332.0 999.9 99.3 999.9 58.1 70. 332.6 999.9 99.9 999.9 71. 38.1 90.2 9458.1 300.0 -37.5 99.9 258.8 33.2\* 32.5 6.4 61.7 40.0 95.0 10051.8 275.0 -42.6 99.9 260.7 34.5+ 34.1 5.6 333.5 999.9 99.9 999.9 65.6 71. 999.9 42.0 99.6 10697.5 250.0 -48.3 99.9 264.8 33.7\* 33.6 3.1 334.3 999.9 99.9 69.7 72. 44-1 104.9 11371.0 225.0 -54.8 99.9 270.4 36.5\* 36.5 -9.2 334.5 999.9 99.9 999.9 74.0 73. 27.2 335.5 999.9 99.9 999.9 78.2 74. 46.4 110.4 12112.3 200.0 -61.4 99.9 269.8 27.2\* 0.1 30.0 342.6 999.9 99.9 999.9 82.1 75. 48.9 116.3 12928.8 175.0 -65. I 99.9 278.0 30.30 -4.2 25.B -4.9 366.2 999.9 99.9 999.9 86.7 7.6. 51.7 123.0 13880.6 150.0 -60.3 99.9 280.8 26.3\* -57.2 99.9 260.2 26.7\* 26.3 4.5 391.4 999.9 99.9 979.9 91.8 77. 55.0 130.3 15025+0 125.0 59.1 138.0 16429.2 100.0 -59.1 99.9 278.3 15.3\* 15.1 -2.2 413.7 999.9 99.9 999.9 98.1 77. 99.9 99.9 99.9 75.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 999.9 999. 99.9 99. 9 99.9 50.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 429 DAYTON. OHIO

24 APRIL 1975 1715 GMT

						. 24	APRIL	1975								
* *							1715 GMT						. 1	18 124. 0		
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE AZ		
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM DG		
0.0	8.2	298.0	974.6	16.2	14.4	300.0	3•1	2.7	-1.5	292.9	320.6	10.7	89.0	0.0 0.		
99.9	99.9	99.9	1000.0	99.9	99.9	99.0	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9.999.		
99.9	99.9	99.9	975.0	99.9	99.7	99.9	99.9	99.9	95.9	99.9	999.9	99.9	999. 9	995. 9 999.		
0.9	10.5	515.5	950.0	14.6	13.0	303.0	8.4	7.0	-4.6	293.4	319.4	10.0	89.8	0.2 122.		
1.8	12.7	741.1	925.0	13.2	11.7	307.4	5.7	4.6	-3.5	294.0	318.7	9.4	90.7	9.6 124.		
2.7	15.2	971.3	900.0	11.2	10.0	300.5	5.0	4.3	-2.5	294.2	317.0	8.6	92.6	0.9 125.		
3.7	17.4	1206.9	875.0	10.3	9.2	281.4	5.1	5.0	-1.0	295.5	317.9	8.4	93.0	1.2 122.		
4.6	19.9	1446.0	850.0	8.9	7.9	271.7	6.0	6.0	-0.2	296.5	317.6	7.9	93.3	1.5 116.		
5.5	22.2	1695.2	825.0	7.4	6.3	247.0	5.0	4.6	2.0	297.4	317.1	7.3	92.5	1.7 110.		
6.4	24.7	1948.6	800.0	6.4	4.6	253.9	6.9	6.6	1.9	298.9	317.2	6.7	87.9	1.9 104.		
7.3	27.0	2209.3	775.0	5.8	4.0	246.6	8.4	7.7	. 3.3	300.9	319.2	6.6	86.4	2.3 99.		
8.1	1 29.7	2477.9	750.0	5.1	2.7	250.6	10.0	, 9∙5	3.3	302.9	320.4	6.2	84.5	2.7 93.		
9.0	32.3	2754.8	725.0	3.8	1.3	256.5	11.7	11.4	2.7	304.4	320.8	5.8	83.7	3.3 90.		
10.0	35.1	3039.1	700.0	1.5	0.1	257.6	13.8	13.5	3.0	304.9	320.6	5.5	90.2	4.0 98.		
11.2	37.7	3332.2	675.0	0.2	-0.9	257.9	15.6	15.3	3.3	306.5	321.8.	5.3	92.7	5.0 80.		
12.3	40.4	3634.5	650.0	-1.3	-2.3	260.2	17-1	16.8	2.9	308.1	322.5	5.0	92.6	6.1 A4.		
13.4	43.1	3947.0	625.0	-2.2	-6.1	265.7	16.5	16.5	1.2	310.4	321.9	3.9	75.1	7.3 A4.		
14.8	46.0	4271.9	600.0	-2.0	-9.3	271.0	14.1	14-1	-0.2	314.2	323.8	3.1	56.8	8.5 45.		
16.1	49.1	4609.2	575.0	-4.4	-11.3	270.1	15.6	15.6	-0.0	315.2	323.9	2.8	58.3	9.7 45.		
17.4	51.9	4958.4	550.0	-6.6	-13.7	272.0	17.1	17-1	-0.6	316.6	324.1	2.4	56.8	16.9 86.		
18.9	25.1	5320.8	525.0	-8.4	-15.5	267.7	22.3	22.2	0.9	318.6	325.4	2.2	56.2	12.7 87.		
20 • 2	58.0	5697.7	500.0	-10.9	-18.1	267.3	21.7	21.6	1.0	319.9	325.8	1.8	55.4	14.5 57.		
21.6	61.3	6090.1	475.0	-13.2	-21.6	269.7	22.8	22.8	0.1	321.8	326.5	1.4	49.2	16.4 87.		
23.2	64.7	6499.6	450.0	-16.4	-25.0	272.5	25.1	25.0	-1.1	322.7	326.4	1.1	47.1	18.6 87.		
24.8	67.9	6927.1	425.0	-19.4	-28.7	271-1	26.4	26.4	-0.5	324.1	327.0	0.8	43.3	21.1 88.		
26.6	71.4	7374.8	400.0	-23.1	-31.1	267.2	26.3	26.2	1.3	325.0	327.4	0.7	47.B	23.9 58.		
28.2	75.0	7843.9	375.0	-26.4	-34.4	261.2	24.9	24.6	3.6	326.6	328.5	0.5	46.8	26.5 88.		
30.1	79.0	8338.7	350.0	-30.3	-38.9	252.5	26.9	25.6	8.1	327.9	329.3	0.4	42.4	29.2 87.		
31.9	82.8	8861.4	325.0	-34.4	-43.1	251.7	30.0	28.5	9.4	329.2	330.1	0.3	40.6	32.2 95.		
33.9	86.8	9416.2	300.0	-38.7	-47.2	243.4	26.0	23.2	11.7	330.7	331.4	0.2	39.8	34.8 B4.		
35.9	91.2	10007.2	275.0	-43.7	99.9	241.3	30.4	26.6	14.6	332.0	999.9	99.9	999.9	38.3 82.		
39.0	95.8	10639.9	250.0	-49.3	99.9	240.3	39.4	34.3	19.5	332.7	999.9	99. 9	999.9	42.5 BC.		
40.2	100.7	11320.5	225.0	-55.8	99.9	238.3	38.7	32.9	20.3	333.0	999.9	99.9	999.9	47.1 78.		
42.6	106.0	12058.9	200.0	-61.9	\$9.9	241.5	30.5	20.8	14.6	334.€	999.9	99.9	999.9	52.4 76.		
45.3	111.5	12874.0	175.0	-65.7	99.9	259.5	32.6	32.1	6.0	341.6	999.9	99.9	999.9	58-1 75-		
48.3	117.5	13826.1	150.0	-60.7	99.9	274-1	25.3	25.2	-1.8	365.6	999.9	99.9	999.9	63.1 77.		
52.2	124.7	14970.1	125.0	-57.4	99.9	999.9	39.9	99.9	59.9	391.0	999.9	99.9	999.9	999.9 999.		
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	95.9	99.9	999.9	99.9	999.9	999.9 999.		
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	ç9 <b>.</b> 9	99.9	959.9	99.9	999.9	999.9 999.		
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.3.999.		
7707	770 7	7757	2000	7707	7707	7707	2202	7707	7707	7797	22202	7707	77797	2270 2 2770		

<sup>#</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433

## 24 APRIL 1975 1756 GMT

148

29. 0

CNTCT HE I GHT PRES TEMP CEW PT DIR SPEED U COMP . V CCMP POT T E POT T MX RTO PH RANGE TIME A.Z GM/KG PCT KM ĎG MIN GPM MB DG C DG C CG M/SEC M/SEC M/SEC DG K DG K 990.3 175.0 18.9 15.4 360.0 . 5.7 0.0 -5.7 294.4 323.6 11.2 80.0 0.0 0. 0.0 5.4 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 975.0 293.6 0.2 199. 17.0 351.9 0.6 -3.9 320.2 10.2 81.0 0.4 6.5 308.7 13.7 3.9 293.7 319.9 0.3 152. 529.9 950.0 14.9 13.1 353.9 0.4 -4.2 10-0 88.7 1.2 e. 5 4.2 293.9 C. 5 179. -3.1 318.6 91.7 1.9 10.4 755.6 925.0 13.0 11.7 348.1 3.2 0.7 9.4 294.4 900.0 317.8 93.4 C. 6 175. 985.8 11.4 10.4 293.2 1.5 -0.6 8-0 2.6 12.3 1.6 242.9 296.3 318.8 89.4 0.6 164. 3, 5 875.0 10.9 9.2 3.5 3.1 8.4 14.4 1221.6 1.6 850.0 244.7 7.7 7.0 3.3 298.0 317.4 7.1 76.3 0.5 138. 4.3 16.3 1463.8 10.4 6.4 825.0 246.3 11.6 10.7 4.7 299.2 317.0 6.5 72.6 6.9 107. 5.1 18-5 1712.2 9.3 4.6 244.7 90. 5.9 20.6 1967.3 800.0 8.0 3.2 14.3 12.9 6-1 300.5 317.3 6.1 71.8 1.4 22.9 2228.8 775.0 6.3 1.3 245.7 16.1 14.7 6.6 301.3 316.6 5. 5 70.4 2. 1 81. 6.7 7.5 25.1 2497.9 750.0 6.0 -1.0 249.3 17.0 15.9 6.0 303.7 317.2 4.8 60.9 2.9 77. 27.2 2776.1 725.0 6.9 -5.8 258.7 17.9 17.6 . 3.5 307.5 317.6 3.4 39. B 3. A 76. 8.5 32.6 4.9 78. 9.4 29.6 3063.7 700.0 5.4 -9.7 267.7 18.5 18.8 0.8 308.8 316.7 2.6 10.2 32.1 3359.7 675.0 3.6 -11.9 273.0 19.7 19.7 -1.0 309.9 316.9 2.3 31.1 5.8 60. 7. 0 63. 11.2 34.6 3665.4 650.0 1.8 -14.3 276.9 21.1 20.9 -2.5 311.2 317.3 1.9 29.1 277.3 22.8 -3.2 312.4 316.9 1.4 23.7 8.2 **85.** 12.2 37.0 3990.2 625.0 -0.2 -18.4 23.0 -24.4 24.6 97. 13.3 39.7 4306.1 600.0 -1.9 280.3 24.2 -4.4 314.0 316.9 0.9 15.8 9.3 -25.8 317.9 575.0 -4.2 284.1 25.4 24.7 -6.2 315.2 0.8 16.6 11.4 85. 14.4 42.1 4642.6 13.3 91. 15.6 45-0 4991.6 550.0 -6.7 -30.5 282.5 27.8 27.2 -6.0 316.2 318.0 0.5 12.9 319.8 13.6 15.3 93. 16.8 47. 3 5353.6 525.0 -8.7 -31.6 278.5 29.0 28.7 -4.3 318.0 0.5 18.2 50.7 5729.4 500.0 -12. l -33.9 275.0 29.0 26.9 -2.5 318.3 319.8 0.4 14.3 17.8 9.3. 53.6 6119.3 475.0 -15.1 -27.8 272.5 29.4 29.4 -1.3 319.4 322.1 0.8 32.7 19.3 93. 19.5 20.8 6525.9 450.0 -17.9 -31.2 267.1 31.7 31.7 320.7 343.0 0.7 32.0 22.4 93. 56.6 1.6 32.0 24.7 92. 22.0 6950.4 425.0 -21.3 -33.6 265-1 32.7 32.5 321.6 323.5 0.5 50.8 2.8 7394.3 400.0 263.5 35.5 35.3 4.0 322.3 323.8 0.4 33.3 27.3 91. 23.4 63.1 -25-1 -36.6 39.4 786C.6 375.0 -43.6 262.7 34.0 33.8 323.9 324.7 0.2 21.4 91. 24.8 66.5 -28-4 4.3 33.4 25.3 70.1 8350.4 350.0 -33.0 -47.3 267.2 34.4 34.4 1.7 324.2 324 . 8 0.1 21.9 90. 24.3 96. 27.8 73.B 8866.7 325.0 -37.3 -50.2 265.2 34.2 34.1 2. 9 325.2 325.6 0.1 36.8 29.5 77.3 9414.5 300.0 -41.8 99.9 252.7 33.1 31.6 9.9 326.4 999.9 99.9 994.9 49. 3 A9. 999.9 99.9 999.9 43.6 87. 31.5 61.8 10000.0 275.0 -45.6 99.9 248.3 33.8 31.4 12.5 329.2 33.5 ě6. 2 10627.8 250.0 -50.8 99.9 249.4 33.9 31.7 11.9 330.5 999.9 99.9 **999.9** 47.5 35. 35.5 91.0 11305.6 225.0 -56.2 99.9 262.3 37.6 37.2 5.0 332.5 999.9 99.9 999.9 51.7 85. 37.9 96.0 12045-0 200.0 -61.7 99.9 262.7 43.9 43.5 5.6 335.1 999.9 99.9 999.9 57.3 85. 40.6 175.0 350.2 999.9 99.9 999.9 63.5 85. 101.3 12870.3 -60.4 99.9 266.4 31.6 31.6 2.0 44.0 107.5 13836.8 150.0 -58.1 99.9 263.2 33.4 33.2 4.0 370.1 999.9 99.9 999.9 69.7 84. 366.9 47.9 255.9 23.5 997.9 99.9 999.9 76.5 34. 114.3 14951.2 125.0 -59.7 99.9 22.8 5. 7 52.8 \$2.0 16376.7 100.0 -58.8 99.9 276.9 27.2 27.0 -3.3 414.1 999.9 99.9 999.9 83.5 B3. 18159.2 263.1 10.9 10.8 1.3 446.3 999.9 99.9 999.9 89.0 6.3. 58.5 131.0 75.0 -60.4 99.9 66.4 142.0 20700.6 50.0 -56.3 99.9 261.5 11.8 11.7 1.8 510.8 999.9 99. 5 994.9 92.4 ∴ #3• 99.9 999. 9 999. 99.9 99.9 25.0 99.9 99.9 99.9 99.9 59.9 99.9 999.9 999,9 99.9 99.9

<sup>#</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451 DODGE CITY. KAN

### 24 APRIL 1975 1730 GMT

150 15. 0 U COMP V CCMP PUT T E POT T MX RTO RH RANGE ΑZ HEIGHT PRES TEMP DEW PT DIR SPEED TIME CNTCT PCT KM DG M/SEC M/SEC M/SEC DG K DG K GM/KG GFM MB DG C DG C DG MIN 90.0 321.1 0.0 -2.7 295.2 9.8 0. 13.2 791.0 921.2 13.9 12.3 10.0 8.8 -1.5 0.0 99.9 999.9 999.9 999.9 999. 99.9 99.9 ç9.9 99.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 999.9 999.9 99.9 99.9 999.9 999. 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99,9 99.9 999.9 999.9 999. 99.9 99.9 99.9 950.0 99.9 39.9 999.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 925.0 99.9 39.9 99.9 99.9 10.4 0.8 15.2 987.3 900.0 12.2 17.8 13.2 -4.C -12.5 295.2 318.7 8.8 88.7 0.6 204. 1.2 199. 1224.1 875.0 12.1 10.6 13.9 12.4 -3.0 -12.1 297.5 322.2 9.2 90.7 1.6 17.4 13.0 11.6 30.9 6.7 -3.5 -5.8 301.1 328.7 10.2 91.3 1.7 199. 2.5 19.9 1467.9 850.0 1719-1 9.8 40.0 -4.4 -5.2 301.7 327.0 9.3 90.8 2.0 202. 22.1 825.0 11.3 6.8 3. 2 800.0 7.2 31.7 -1.6 -2.6 304.1 326.4 8.0 76.8 2.3 204. 4.2 24.7 1976.1 11.2 3.1 306.5 317.7 35.1 2.4 205. 775.0 -3.5 93.2 1.3 -1.3 0 • I 3.8 5.1 27.0 2241.5 11.3 750.0 9.5 -8.0 175.9 1.7 -0.1 1.6 307.3 315.7 2.8 28.3 2.3 206. 29. € 2514.8 5.9 307.5 311.9 16.4 2.2 207. 32.2 725.0 7.1 -16.7 219.9 1.5 1.0 1.2 1.4 6.8 2794.6 35.0 3081.6 700.0 5.0 -19.3 225.2 2.9 2.0 . 2. 0 308.1 311.8 1.2 15.2 2. 2 206. 7.7 337€.8 308.6 310.9 0.7 10,3 2.0 204. 37.4 675.0 2.6 -25.6 224.9 4.8 3.4 3.4 8.6 3680.2 650.0 -0.3 -24.0 229.5 6.6 5.0 4.3 308.7 311.4 0.8 14.7 1.5 129. 9.6 40.2 309.1 311.8 0.8 17.2 1.3.199. 10.7 42.9 3992.2 625.0 -3.0 -24.4 231.4 7.6 5.9 4.7 11.7 45.9 4313.8 600.0 -6.0 -24.6 243.7 8.2 7.3 3.6 309.3 312.1 0.9 2:.2 1.0 168. 12.8 48.9 4645.5 575.0 -8.5 -23.2 252.4 10.5 10.0 3.2 310.1 313.4 1.0 29.4 1.1 136. 4988.8 550.0 -10.9 -23.7 245.2 13.8 12.5 5.8 311.3 314.6 1.0 33.7 1.6 111. 13. 8 51.7 54.8 312.9 314.6 0.5 18.6 2.4 90. 15.0 5345.0 525.0 -12.9 -31.8 243.1 16.4 14.6 7.4 3.7 57.8 5715.3 500.0 -15.5 -34.1 246.2 19.5 17.9 7.9 314.1 315.6 0.4 18.5 Bé. 16.2 61.1 -33.5 247.8 20.7 315.2 316.8 0.5 25.0 5.2 77. 17.4 6100.1 475.0 -18.4 22.3 8.4 316.3 310.1 35.2 7.0 75. 6501.3 450.J -21.5 -32.7 254.0 25.2 24.2 7.0 0.5 18.7 64.0 320.0 27.1 0.7 57.1 9.1 76. 20.0 67.9 6920.2 425.0 -24.5 -39.5 256.2 27.9 E. 7 317.6 21.4 319.8 0.2 23.4 11.4 75. 71.2 7359.1 400.0 -27.7 -42.2 252.1 30.3 28.8 903 318.9 7519.1 375.0 -43.3 11.3 319.8 329.6 0.2 30.0 13.9 75. 22.7 75.0 -31.5 249.9 32.9 30.9 350.0 36.8 14.7 322.0 323.0 0.3 45.4 17.3 74. 24.3 75.0 8304.7 -34.6 -42.2 248.2 39.7 25.7 €2.8 8818.5 325.0 -38.4 -47.2 247.5 44.0 40.7 16.8 323.7 324.3 0.2 38.6 21.0 72. 27.3 86.8 9364.0 300.0 -42.5 99.9 249.3 48.3 45.2 17.1 325.5 999.9 99.9 999.9 25.4 72. 275.0 -47.3 247.1 19.7 326.7 999.9 99.9 999.9 31 . 1 71. 29.2 51.4 9945.6 99.9 50.5 46.5 31.1 17.6 329.1 999.9 99.9 999.9 36.8 71. 96.0 10569.3 250.0 -51.8 99.9 249.6 50.5 47.4 33.3 101-0 11245.9 225.0 -55.5 99.9 250.6 44.2 41.7 14.7 333.5 999.9 99.9 999.9 43.0 70. 11990.0 200.0 247.7 41.7 38.6 15.8 339.3 999.9 99.9 999.9 49.0 71. 35.7 106.4 -59.0 99.9 71. 39.4 112.3 12829.9 175.0 -56.9 99.9 253.9 33.6 32.3 9.3 356.0 999.9 99.9 999.9 55.7 13804.3 150.0 -57.8 99.9 257.6 30.7 30.0 6.6 370.5 999.9 99.9 999.9 61.6 71. 41.5 116.5 71. 999.9 45.1 125.5 14952.4 125.0 -58-1 99.9 252.9 33.4 31.9 9.8 389.9 999.9 99.9 68. 2 133.3 16361.0 100.0 -57.4 99.9 251.1 24.4 23.1 7.9 416.9 999.9 99.9 999.9 76.8 71. 50.0 9969 72. 999.9 999.9 82. 7 55.9 141.3 18177-4 75.0 -58.4 99.9 260.1 8.8 8.7 1.5 450.5 99.9 999.9 87.1 72. 63.A 149.7 20720.9 50.0 -56.6 99.9 279.5 10.4 10.3 -1.7 510.1 999.9

-50.2

99.9.

46.1

25.0

75.3

158.5

25199.1

-1.4

-1.4

640.5

2.0

999.9

99.9

999.9

88.9 73.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 1.0 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456 TOPEKA. KAN

24 APRIL 1975 1715 GMT

114 114. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	PANGE	AZ	
MIN		GPM	MB	DG C	DG. C	DG	M/SEC	M/SFC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	6.3	268.0	978.5	20.6	17.2	40.0	3.6	-2.3	-2.8	297.3	330.8	12.8	81.0	0.0	С.	
99.9	99. 9	99.9.	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.1	6.5	299.0	975.0	19.8	15.8	42.9	3.3	-2.3	-2.4	296.7	327.6	11.7	77.4	0.0	315.	
0.8	8. 5	522.1	950.0	17.0	13.0	53.6	1.9	-1.5	-1.1	295.8	322.1	10.0	77.3	0.1	226.	
1.5	10-4	749.2	925.0	14.8	12.7	125.2	1.3	-1.1	0.8	295.7	322.2	10.0	87.3	0.2	235.	
2.3	12.3	980.9	900.0	12.9	11.6	172.8	4.0	-0.5	4.0	296.1	321.9	9.7	92.5	0.2	255.	
3.1	14.4	1218.9	875.0	14.9	7.4	180.0	7.0	-0.0	7.0	300.3	320.6	7.4	60.5	0.3	327.	
4.0	16.4	1463.8	850.0	13.9	3.7	157.3	5.3	-2.0	<b>♦</b> •8	301.5	317.9	5.9	50.0	0.7	338.	
4.8	18.5	1715.2	825.0	12.4	3.5	153.7	3.9	-1.7	3.5	302.5	319.3	6.0	54.7	0.9	336.	
5.6	20.6	1972.8	800.0	10.6	7.2	199.4	3.5	1.2	3.3	303 <sub>0</sub> 5	325.7	8.0	79.9	1.0	339.	
6.3	22.7	2237.3	775.0	9.1	6.7	212.0	5.5	2.9	4.6	304.6	326.8	8.0	84.8	1.2	34 ₽.	
7.3	25.0	2508.3	750.0	6.5	3.9	207.7	5.3.	2.4	4.7	304.5	323.5	6.8	83.2	1.4	355.	
8.4	27.2	2786.4	725.0	4.9	-1.2	204.2	4.1	1.7	3.8	305.4	319.3	4.8	64.8	1.7	1.	
9.01	29.5	3072.2	700.0	3.4	-5.4	211.5	3.6	1.9	. 3-1 🤇	306.7	317.4	3.7	52.7	1.8	2.	
10.2	32.0	3366.7	675.0	2.4	-12.5	233.8	4.6	3.7	2.7	308.6	315.2	2.2	32.3	2.0	7.	
11.2	34.5	3670.5	650.0	-0.0	-13.4	232.2	6.7	5.3	4.1	309.2	315.6	2. 1	35.5	2. 2	1.4.	
12.3	36. 9	3983.0	625.0	-2.7	-14.8	232.4	9.3	7.4	5. 7	. 309.6	315.5	1.9	38.6	2.7	20.	
13.4	39.5	4305.4	600.0	-5.3	-16.3	236.7	12.5	10.4	6.9	310.2	315.7	1.8	41.7	3.3	28.	
14.6	42.0	4637.9	575.0	-8.0	-19.0	238.3	13.8	11.7	7.2	310.8	315.5	1.5	40.6	4.2	34.	
15.8	44.5	4981.4	55C.0	-10.8	-22.0	244.2	14-7	13.3	6.4	311.3	315.1	1.2	39.2	5. 1	39.	
16.9	47.6	5336.9	525 · C	-13.7	-23.0	246.8	17.8	16.4	7.0	312.0	315.6	1-1	45.2	6.1	44.	
15.1	50.5.	5706.0	500.0	-16.3	-25.8	251.0	22.5	21.3	7 • 3	313.3	316.3	0.9	43.6	7.4	48.	
19.4	53.5	6090.5	475.0	-18-2	-30.1	253.4	25.0	24.0	7.2	315.4	317.6	0.7	34.4	9. 2	53.	
20.5	56.4	6492.5	450.0	-21.0	-34.0	254.4	26.3	25.3	7.1	316.8	318.4	0 • 5	29.8	10.9	57.	
22.1	59.7	6911.1	425.0	-25-1	-35 • 2	256.7	26.5	25.8	ۥ 1	316.8	318.3	0.4	38.5	13.1	6C.	
23.4	63.0	7349.1	400.0	-28.3	-35,9	260.C	28.1	27.7	4.9	318-1	319.7	0.4	47.7	15. 2	63.	
25.0	66.4	7809.2	375.0	-31.6	-37.5	254.9	32.6	31.4	8.5	319.7	321 • 1	0.4	55.7	18.0	65.	
26.5	70.3	8294.3	350.0	-34.8	-40.9	256.1	38.2	37.0	9. 2	321.8	322.9	0.3	53.6	21.2	55.	
28.2	73.7	8807.8	325.0	-38.6	-47.5	257+5	43.3	42.2	9.3	323.4	324.0	0.2	36.2	25.2	6 ₺•	
30.0	77. 9	9352.8	300.0	-42.9	99.9	257.7	46.3	45.2	9.8	325.0	999.9	99.9	999.9	30 . 2	7.0	
31.9	£1.5	9934.2	275.0	-47.1	99.9	258.6	48.0	47.0	9.5	327.0	999.9	99.9	999.9	35.7	71.	
34.1	86.2	10560.7	250.0	-51.1	99.9	256.6	44.9	43.7	10.4	330.1	999.9	99.9	999.9	41.7	720	
36.3	91.2	11240.8	225.0	-54.9	99.9	256.3	42.8	41.6	10-1	334.4	999.9	99.9	999.9	47.5	73.	
38.6	96.3	11989-1	200.0	-56.8	99.9	252.3	34.8	33.2	10.6	342.9	999.9	99. 9	999.9	<b>53.</b> 5	73.	
41.4	102.3	12825.7	175.0	-59.9	99.9	257.7	31.9	31.2	6 • 8	351.0	999.9	99.9	999.9	66.1	73.	
44.6	10e.5	13787.8	150.0	-60.4	99.9	255.1	33.1	32.0	8.5	366.0	999.9	99.9	999.9	65.	73.	
48.3	115.5	14932-1	125.0	-55.9	99.9	999.9	99.9	99.9	99.9	393.8	999.9	99.9	999.9	999. 9		
99.9	99. 9	\$9 <b>.9</b>	100.0	99.9	99.9	99.9	99.9	99.9	99 <b>.</b> 9	99.9	999.9	99.9	999.9	999.9	9900	
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99. 9	9949	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	939.9	999 <b>.</b> 9		
99.9	00.0	00.0	25.0	90.0	99.9	99.9	99.9	99.9	99. 9	99.9	999.0	99.0	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 486 FORT TOTTEN. N Y

# 24 APRIL 1975 1715 GPT

MIN	TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
0.5 4.8 6.0 1011.6 14.1 14.6 99.9 99.9 99.0 99.0 99.0 29.7 318.4 10.4 91.0 99.0 99.9 9.1 17.7 322.2 975.0 15.4 14.0 999.0 99.0 99.0 99.0 99.0 222.0 318.9 10.6 91.4 999.0 99.0 99.0 99.0 99.0 99.0 99.0 222.0 318.9 10.6 91.4 999.0 99.0 99.0 99.0 99.0 99.0 99.0 222.0 318.9 10.4 91.1 999.6 999.0 22.1 11.8 767.4 25.0 14.1 12.7 999.9 99.0 99.0 99.0 99.0 222.0 318.3 9.8 91.4 999.0 99.0 99.0 99.0 99.0 99.0 223.4 317.3 91.1 91.8 999.9 99.0 99.0 99.0 99.0 223.4 317.3 91.1 91.8 999.9 99.0 99.0 99.0 99.0 223.4 317.3 91.1 91.8 999.9 99.0 99.0 99.0 99.0 223.4 317.3 91.1 91.8 999.9 99.0 99.0 99.0 99.0 223.4 317.3 91.1 91.8 999.9 99.0 99.0 99.0 99.0 99.0 223.4 317.3 91.1 91.8 999.9 99.0 99.0 99.0 99.0 99.0 226.7 320.6 90.0 92.7 99.9 99.9 99.0 99.0 99.0 99.0 99.0 226.7 320.6 90.0 92.7 99.9 99.9 99.0 99.0 99.0 99.0 99.0 99	MIN	4	GFM	BM	DG C	DG C	DG	M/SEC		M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
1.1	0.	0 4.8	8.0	1011.6	16.1	14.6	999.9	99.9		99.9	289.7	316.4	10.4	91.0	999 <b>.</b> 9	999.	
2.0	0.	5 5.7	106.6	1000.0	16.1	14.7	999.9	99.9	99.9	99.9	290.7	318.1	10.6	91.4	999.9	999.	
11.6 767.4 925.0 12.6 11.3 999.0 99.0 99.0 99.0 293.4 317.3 91.1 91.8 999.9 99.9 99.0 14.1 15.0 999.0 99.0 99.0 295.2 319.5 9.2 92.9 92.9 99.9 99.9 99.0 16.1 1234.1 17.6 17.6 17.6 17.6 17.6 17.6 17.6 17	1.	1 7.7	322.2	975.0	. 15.4	14.0	999.9	99.9	99.9	99.9	292.0	318.9	10.4	91.1	999. 5	999.	
3.6 14.1 957.8 900.0 12.1 11.0 959.9 99.9 99.9 29.2 319.5 9.2 92.9 29.9 99.9 99.9 4.4 16.1 12341 875.0 11.3 10.2 959.9 99.9 99.9 99.9 296.7 320.6 90.0 227 599.9 99.9 99.9 56.7 320.6 90.0 227 599.9 99.9 99.9 56.7 320.6 90.0 92.7 599.9 99.9 99.9 56.7 320.6 90.0 92.7 599.9 99.9 99.9 56.7 320.6 90.0 92.7 599.9 99.9 99.9 56.7 320.6 90.0 92.7 599.9 99.9 99.9 56.7 320.6 90.0 92.7 599.9 99.9 99.9 29.8 319.9 7.8 99.7 99.9 99.9 99.9 29.8 319.9 7.8 99.7 99.9 99.9 99.9 29.8 319.9 7.8 99.7 99.9 99.9 99.9 29.8 319.9 7.8 99.7 99.9 99.9 99.9 29.8 319.9 7.8 99.7 99.9 99.9 99.9 99.9 29.8 318.9 7.2 91.8 999.9 99.9 99.9 99.9 99.9 300.2 318.3 6.6 92.0 999.9 99.9 99.9 99.9 99.9 30.2 318.3 36.6 92.0 999.9 99.9 99.9 99.9 99.9 30.2 318.3 318.9 7.2 91.8 999.9 99.9 99.9 99.9 99.9 30.2 318.3 318.9 7.2 91.8 999.9 99.9 99.9 99.9 99.9 30.2 318.3 318.9 7.2 91.8 999.9 99.9 99.9 99.9 99.9 30.2 318.3 318.0 6.6 92.0 999.9 99.9 99.9 30.2 318.3 318.0 6.6 92.0 999.9 99.9 99.9 30.2 318.3 318.0 6.6 92.0 999.9 99.9 99.9 99.9 30.2 318.3 318.0 6.6 92.0 999.9 99.9 99.9 99.9 99.9 30.2 318.3 318.0 6.6 92.0 599.9 99.9 99.9 99.9 99.9 99.9 99.9 9	2.	0 9.9	542.4	950.0	14.1	12.7	999.9	99.9	99.9	59.9	292.8	318.3	9.8	91.4			
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	20	7 11.8	767.4	925.0	12.6	11.3	999.9	99.9	99.9	99.9	293.4						
5.3 18.4 1476.4 850.0 9.9 8.6 99.9 99.9 99.9 99.9 29.6 319.9 8.3 91.1 999.9 99.9 7.8 6.2 20.5 1724.6 822.0 8.6 7.2 999.9 99.9 99.9 99.9 299.4 318.9 7.8 90.7 799.9 99.9 7.2 22.7 1578.9 800.0 6.8 5.6 95.9 99.9 99.9 99.9 99.9 299.4 318.9 7.8 90.7 99.9 99.9 8.0 25.1 2239.4 775.0 5.1 3.9 999.9 99.9 99.9 99.9 99.9 301.1 317.9 6.0 91.9 999.0 99.9 99.9 99.9 99.9 99.9 301.1 317.9 6.0 91.9 999.9 99.9 99.9 99.9 99.9 301.1 317.9 6.0 91.9 999.9 99.9 12.0 32.3 3055.1 700.0 0.6 -0.4 999.9 99.9 99.9 99.9 99.9 301.1 317.9 6.0 91.9 999.9 99.9 12.0 34.9 3357.0 675.0 -0.3 -1.5 999.9 99.9 99.9 99.9 99.9 303.8 318.9 5.6 92.0 999.9 99.9 12.0 37.3 358.6 650.0 -2.0 -3.4 999.9 99.9 99.9 99.9 99.9 303.8 318.9 5.3 92.8 999.9 99.9 14.0 40.0 356.4 650.0 -2.0 -3.4 999.9 99.9 99.9 99.9 307.3 320.6 4.6 90.1 999.9 99.9 15.0 42.4 4291.6 600.0 -5.6 -9.3 99.9 99.9 99.9 99.9 99.9 307.3 320.6 4.6 90.1 999.9 99.9 15.0 42.4 4291.6 600.0 -5.6 -9.3 99.9 99.9 99.9 99.9 99.9 310.1 317.7 3.2 75.6 999.9 99.9 16.0 45.2 424.2 575.0 -7.7 -16.0 999.9 99.9 99.9 99.9 310.1 317.1 1.9 51.2 999.9 99.9 16.0 45.2 424.2 575.0 -7.7 -16.0 999.9 99.9 99.9 99.9 310.1 319.7 3.2 75.6 999.9 999.9 18.3 50.9 5326.8 525.0 -10.2 -16.7 999.9 99.9 99.9 99.9 59.9 310.1 319.7 3.2 75.6 999.9 999.9 99.9 99.9 99.9 99.9 99.9	3,	6 14.1	997.8	900.0	12.1	11.0	999.9	99.9	99.9	99.9	295.2	319.5	9.2	92.9	999. 9	999.	
6.2         20.5         1724.6         825.0         6.6         7.2         99.9         99.9         99.9         99.9         29.4         319.9         7.8         90.7         99.9         99.9         29.4         318.9         7.2         21.8         99.0         99.9         99.9         99.9         300.2         318.3         6.6         92.0         99.9         99.9         300.2         318.3         6.6         92.0         99.9         99.9         300.2         318.3         6.6         92.0         99.9         99.9         300.2         318.3         6.6         92.0         99.9         99.9         300.1         317.9         6.0         99.9         99.9         300.2         318.0         5.6         92.0         99.9         99.9         302.3         318.0         5.6         92.0         99.9         99.9         302.3         318.0         5.6         92.0         99.9         99.9         302.3         318.0         5.6         92.0         99.9         99.9         99.9         303.8         318.9         5.2         99.9         99.9         303.8         318.9         5.2         4.0         11.5         99.9         99.9         99.9         303.3	4.	4 16.1	1234.1	875.0	. 11.3	10.2	999.9	99.9	99.9	99.9	296.7			92.7	999 <b>.</b> 9	999.	
22.7 1578.0 800.0 6.8 5.6 959.9 99.9 99.9 99.9 299.4 318.9 7.2 91.8 999.6 999.8 8.0 25.1 2239.4 775.0 5.1 3.9 939.9 99.9 99.9 99.9 301.2 318.3 6.6 92.0 999.0 999.9 99.9 99.9 301.3 317.9 6.0 91.9 999.9 999.9 10.9 25.3 2761.9 725.0 1.9 0.8 999.9 99.9 99.9 99.9 99.9 301.1 317.9 6.0 91.9 999.9 999.9 10.9 32.3 3065.1 700.0 0.6 -0.4 999.9 99.9 99.9 99.9 302.3 318.0 5.6 92.0 599.9 999.9 12.9 37.3 3658.6 650.0 -2.0 -3.4 999.9 99.9 99.9 99.9 303.8 318.9 5.3 92.8 999.9 999.1 12.9 37.3 3658.6 650.0 -2.0 -3.4 999.9 99.9 99.9 99.9 306.0 320.6 5.1 91.5 999.9 999.1 14.0 40.0 3965.8 625.0 -3.9 -6.5 399.9 99.9 99.9 99.9 99.9 307.3 320.6 4.6 90.1 999.9 999.1 15.0 42.4 4291.6 600.0 -5.6 -9.3 999.9 99.9 99.9 99.9 90.9 308.4 319.5 3.8 62.6 999.9 999.1 15.0 42.4 4291.6 600.0 -5.6 -9.3 999.9 99.9 99.9 99.9 99.9 308.4 319.5 3.8 62.6 999.9 999.1 16.0 45.2 4624.2 575.0 -7.7 -16.0 999.9 99.9 99.9 99.9 311.2 317.1 1.9 51.2 999.9 999.1 18.3 50.9 5326.8 525.0 -10.2 -16.7 999.9 99.9 99.9 99.9 311.2 317.1 1.9 51.2 999.9 999.1 19.5 54.0 5700.0 500.0 -13.6 -15.1 999.9 99.9 99.9 99.9 315.0 323.0 2.6 85.3 999.9 999. 20.9 18.3 50.9 5326.8 525.0 -11.4 -13.4 999.9 99.9 99.9 99.9 316.1 323.0 2.6 85.3 999.9 999. 20.9 56.9 608.3 475.0 -16.6 -19.0 995.9 99.9 99.9 317.6 323.3 1.8 81.5 999.6 999.2 22.0 60.1 60.9 4.5 20.0 -10.6 -19.0 995.9 99.9 99.9 319.4 323.6 0.8 54.3 999.9 999.2 22.0 60.1 60.9 3.4 450.0 -19.1 -22.1 999.9 99.9 99.9 99.9 319.4 323.6 0.8 54.3 599.9 999.9 22.0 66.7 7358.8 400.0 -26.5 -66.9 999.9 99.9 99.9 99.9 324.6 323.6 0.8 54.3 599.9 999.9 324.6 63.7 7358.8 400.0 -26.5 -66.9 999.9 99.9 99.9 99.9 324.6 325.4 0.2 29.3 999.9 99.9 325.6 326.5 0.2 51.8 999.9 99.9 325.6 326.5 0.2 51.8 999.9 99.9 99.9 99.9 99.9 99.9 99.9	5.	3 18.4	1476.4		9.9		999.9	99•9		59 <b>.</b> 9	297.6		8.3				
8.0	6				8.6	7.2	999.9	99.9	99.9	-							
8.0 27.3 2507.1 750.0 3.5 2.3 99.9 99.9 99.9 90.9 301.1 317.9 6.0 91.9 99.9 99.9 9.9 9.9 10.0 32.3 318.0 5.6 92.0 99.9 99.9 10.0 32.3 318.0 5.6 92.0 99.9 99.9 12.0 318.0 32.3 318.0 5.6 92.0 99.9 99.9 12.0 31.3 318.0 5.6 92.0 99.9 99.9 99.9 99.9 99.9 99.9 308.0 320.6 5.1 91.5 99.9 99.9 12.9 37.3 3558.6 650.0 -2.0 -3.4 99.9 99.9 99.9 99.9 99.9 308.0 320.6 5.1 91.5 99.9 99.9 12.9 37.3 3558.6 650.0 -2.0 -3.4 99.9 99.9 99.9 99.9 99.9 308.4 319.5 3.8 62.6 59.1 91.5 99.9 99.9 15.0 42.4 4291.6 600.0 -5.6 -9.3 99.9 99.9 99.9 99.9 99.9 308.4 319.5 3.8 62.6 59.9 39.9 15.0 42.4 4291.6 600.0 -5.6 -9.3 99.9 99.9 99.9 99.9 310.1 317.1 1.9 51.2 99.9 99.9 16.0 45.2 4624.2 575.0 -7.7 -16.0 99.9 99.9 99.9 99.9 310.1 317.1 1.9 51.2 99.9 99.9 18.3 50.9 5326.8 525.0 -10.2 -16.7 99.9 99.9 99.9 99.9 312.2 318.1 1.9 59.0 99.9 99.9 18.3 50.9 5326.8 525.0 -11.4 -13.4 99.9 99.9 99.9 99.9 316.7 324.1 2.4 88.5 99.9 99.9 20.7 56.9 6088.3 475.0 -16.6 -19.0 99.9 99.9 99.9 99.9 316.7 323.3 1.8 81.5 99.9 99.9 20.7 56.9 6088.3 475.0 -16.6 -19.0 99.9 99.9 99.9 99.9 310.4 323.3 1.8 81.5 99.9 99.9 22.0 60.1 6083.4 450.0 -19.1 -22.1 99.9 99.9 99.9 99.9 310.4 323.3 1.8 81.5 99.9 99.9 22.0 60.1 6088.3 475.0 -16.6 -19.0 99.9 99.9 99.9 99.9 310.4 323.3 1.8 81.5 99.9 99.9 22.0 60.1 6083.4 450.0 -22.1 -22.1 99.9 99.9 99.9 99.9 310.4 323.3 1.8 81.5 99.9 99.9 22.0 60.1 6083.4 450.0 -24.1 -22.1 99.9 99.9 99.9 99.9 310.4 323.6 0.8 54.3 59.9 99.9 99.9 22.0 60.1 60.9 6.9 3.4 450.0 -24.1 -20.1 99.9 99.9 99.9 99.9 320.8 320.5 320.8 320.6 0.0 1.0 99.9 99.9 32.4 63.7 7.3 8312.2 350.0 -26.3 76.0 -20.1 -29.7 99.9 99.9 99.9 99.9 99.9 99.9 99.9	7.	2 22.7	1578.9	800.0	6.8	5.6	999.9	99.9	99•9	99 <b>.</b> 9							
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29.5 77.8 8829.7 325.0 -37.0 -43.5 999.9 99.9 99.9 59.9 325.6 326.5 0.2 50.8 999.9 979.  31.3 81.7 9378.9 300.0 -41.1 99.9 999.9 99.9 99.9 59.9 327.5 999.9 99.9 999.9 999.9 999.9 333.3 85.9 996.9 275.0 -45.8 99.9 999.9 99.9 99.9 59.9 328.9 999.9 99.9 99.9 999.9 999.9 335.4 50.4 10590.5 250.0 -51.4 99.9 999.9 99.9 99.9 99.9 99.9 99.9							-										
31.3 81.7 9378.9 300.0 -41.1 99.9 999.9 99.9 99.9 59.9 327.5 999.9 99.9 999.9 999.9 999.9 999.9 33.3 85.9 9963.9 275.0 -45.8 99.9 999.9 99.9 99.9 99.9 99.9 99.9																	
33.3 85.9 9963.9 275.0 -45.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9													_				
35.4													-				
37.7 95.3 11266.0 225.0 -56.9 99.9 999.9 99.9 99.9 99.9 331.3 999.9 99.9																	
40.1 100.4 12001.4 200.0 -62.3 99.9 999.9 99.9 99.9 99.9 334.1 999.9 99.9 99.9 999.9	35,	4 90.4	10590.5	250.0	-51.4	99.9	999.3	99.9	99.9	99.9	329.7						
42.8 106.0 12815.9 175.0 -65.6 99.9 999.9 99.9 99.9 99.9 341.6 999.9 99.9 99.9 999.9	37	7 95.3	11266.0				999.9	99.9		99.9							
45.6 112.0 13761.2 150.0 -64.1 99.9 999.9 99.9 99.9 99.9 99.9 99.9	40	1 100.4	12001.4	200.0	-62.3	99.9					334 <sub>e</sub> 1	_					
49.0 119.0 14899.7 125.0 -57.2 99.9 999.9 99.9 99.9 59.9 391.4 999.9 99.9 99.9 999.9 999.9 53.1 126.7 16312.4 100.0 -58.9 99.9 999.9 99.9 99.9 99.9 99.9 99.9	42.	8 106.0	12815.9	175.0	<b>~65</b> ∙6	99.9	999.9	99.9		99.9							
53.1 126.7 16312.4 100.0 -58.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9	45	6 112.0	13761.2	150.0	-64.1	99.9	999.9	99.9									
58.6 135.7 18121.6 75.0 -60.1 99.9 999.9 99.9 99.9 99.9 99.9 99.9	49	0 119.0	14899.7	125.0	-57.2	99.9	999.9	99.9									
65.8 144.3 20674.4 50.0 -57.1 99.9 999.9 99.9 99.9 99.9 99.9 99.9	534	1 126.7	16312.4	100.0	-58.9	99.9	999.9	99.9		99.9							
A CONTRACT OF THE CONTRACT OF	58	6 135.7	18121.6	75.0	-60.1	99.9		99.9									
99.9 99.9 99.9 25.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	65	8 144.3	20674.4	50.0	-57.1	99.9	999.9		99.9	99•9						_	
	996	9 99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999•9	999. 9	999.	

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP YEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 518 ALBANY, N Y

24 APRIL 1975 1715 GMT ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM #HOLF MINUTE VALUES

164 23. 1

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	Ý CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	, KM	DG
0.0	5.8	86.0	1000.8	11.5	10.2	170.0	5.2	-0.9	5. 1	285.6	305.7	7.9	92.0	0.0	c.
0.1	5. 9	92.7	1000.0	11.5	9.5	172.0	4.0	-0.6	4.0	285.6	304.9	7.5	87 <b>•7</b>	0.1	358.
0.9	e. 3	304.6	975.0	11.6	10.1	202.7	4.1	1.6	3.8	287.9	308.6	8.0	90.5	0.5	354.
1.7	10.6	523.1	950.0	12.7	11.1	216.6	8.3	4.9	ۥ 6	291.2	314.1	8.8	90.2	C. 5	6.
2.5	13.9	746.8	925+0	11.0	9.8	239.0	9.0	7.7	4.6	291.6	313.3	8.3	92.7	1.2	20.
3.3	15.5	975.8	900.0	10.2	8.6	260.0	10.3	10.1	1.8	293.1	313.9	7.9	89.9	1.5	34.
4.1	17.8	1210.5	875.0	9.3	7.4	263.4	10.5	10.5	1.2	294.5	314.2	7.4	87.6	1.9	
5.0	20.4	1451+1	850.0	8.4	6.8	265.6	11.2	11.1	0.9	295.9	315.5	7.3	8 9. 4	2. 4	54.
5.9	22.9	1697.5	825.0	6.7	5.5	265.1	13.1	13.1	1.1	296.6	315.2	6.9	91.6	2.9	61.
6.8	25.5	1950-1	800.0	5.0	2.1	257.2	13.5	13.2	3.0	297.2	312.6	5• Ø	81.5	3. 7	66.
7.9	28. 1	2208.9	775.0	3.7	. 0.8	246.5	11-0	10.1	4.4	298.5	313.0	5.2	81.3	4.4	66.
9.0	30.9	2474.6	750.0	1.9	-1.3	236.4	18.7	15.5	10.3	299.2	312.2	4.7	79.6	5.0	66.
10.1	33.7	2747.5	725.0	0.2	-3.1	233.8	25.0	20.2	14.8	300.3	312.1	4.2	77.9	7.0	63.
. 11.0	36. 1	3031+1	700.0	2.9	-0.6	237.7	21.1	17.8	11.3	306.4	321.4	5.3	78.0	7 - 2	
12.4	39.0	3324.9	675.0	0.7	-1,8	242.5	21.5	19-1	. 9.9	307.0	321.4	5.0	83 <b>.</b> 3	9• ∂	61.
13.5	41.7	3627.2	650.0	-1.4	-3.6	243.3	19.7	17.0	8.9	307.9	321.1	4.5	P5.4	11.3	62.
14.8	44.7	3938.7	625.0	-3.9	-5.7	244.6	17.0	15.3	7.3	308.5	320.3	4.0	86.9	12.6	62.
16.0	47.8	4260.4	600.0	-5.6	-70.4	250-1	18.1	17.0	6.1	310.1	320.9	3.7	86.9	13.9	52.
17-1	50.7	4593.3	575.0	-7.7	-9.8	255.0	1909	19.2	5.1	311.3	320.9	3.2	85.3	15.2	
18-4	£ 3. 9	4937.9	550.0	-10.0	-11.9	257.3	23.4	22.8	5 • 1	312.5	321.1	2.8	86.1	16.7	64.
19.6	56.9	5295.2	525.0	-12.6	-14.9	250.3	22.4	21.29	4.5	313.5	320.6	2.3	83.2	18.4	
21.0	60.1	5666.3	500.0	-15.2	-17.5	253.5	23.7	22.5	€. 8	314.7	320.7	1.9	82.6	20.2	67.
22.4	63.6	6052.5	475.0	<b>=17.6</b>	-19.8	253.4	28.2	27.0	8.1	316.4	321.7	1.7	82.8	22.4	
23.7	66.9	6455+4	450+0	-20.1	-22.4	257.4	30.8	30.0	6.7	318.1	322.6	1.4	81.8	24.7	68.
25.1	70.4	6877.2	425.0	-22.9	-24.6	261-1	30.9	30 • 5	4.8	319.7	323.6	1.2	84.6	27.2	69.
26.5	74.0	7318-8	400.0	-20.1	-28.6	260.3	31.9	31.4	5.5	321.1	324.2	0.9	79.2	29.8	70.
28,5	78.0	7782.0	375.0	-30.3	-40.8	261.4	31.5	31.2	4.7	321.4	322.4	0,3	34.7	33.3	71.
29.8	81.8	8269.9	350.0	-33.1	-44.1	273.4	38.2	38.2	-2.3	324.0	324.8	0.2	31.8	36.1	72.
31.3	e5. 9	8787.0	325.0	-37.0	-48.4	283.5	38.0	36.9	-8.9	325.6	326.2	0.1	29.0	39. 4	75.
32. 9	90.2	9335,0	300.0	-41.5	99.9	296.0	40.3	36.2	-17.6	326.9	999.9	99.9	999.9	42.0	77.
35.7	94.8	9919.3	275.0	-46.5	99.9	294.0	47.8	43.7	-19.4	327.9	999.9	99.9	999.9	48.4	83,
37.7	99.6	10544.6	250.0	-52.0	99.9	290-1	60.6	56.7	-20 · d	328.8	999.9	99.9	999.9	54. 5	86.
39.5	104.6	11219.1	225.0	-57.3	99.9	289.5	61.74	58.2	-20-6	330.7	999.9	99.9	999.9	60.4	89.
41.8	110.2	11953.8	200.0	-63.0	99.9	297.2	53.4+	47.5	-24.4	333.1	999.9	99. 9	999.9	68.1	91.
44+5	115.6	12767.6	175.0	-63.8	99.9	287.9	41.1+	39-1	-12.6	344.6	999.9	99.9	999.9	75. Q	94.
47.3	122.0	13727.8	150.0	-59.8	99.9	271.8	30.9*	30.9	-1.0	. 36700	999.9	9909	999.9	80.0	94.
51.0	129.3	14880.5	125.0	-54.2	99.9	291.1	22.1*	20.7	-8.0	396.8	999.9	99.9	999.9	87.3	
56.4	137.3	16309.6	100.0	-54.9	99.9	292+5	13.3*	12.3	-5-1	421.6	999.9	98.9	999. 9	92. 7	
63.6	145-7	18134.9	75.0	-58.4	99.9	270-1	13.9*	13.9	-0.0	450.5	999.9	99.9	999.9	99.7	
73.0	156.0	20702.7	50.0	-56.3	99.9	96.9	11.2	-11.1	1.3	510.7	999.9	99.9	59 <b>9.</b> 9	103.3	9.7
87.1	167.0	25186.6	25.0	-50.2	99.9	999.9	99.9	99.9	99.9	640.3	999.9	99.9	999.9	999.9	999.

\* BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

\*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 520 PITTSBURG. PA

24 APRIL 1975 1715 GMT

162 20. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT Y	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ΡG	
0.0		359.0	967.8	15.3	13.8	230.0	5.2	4.0	3.3	292.5	319.4	10.4	91.0	0.0	0.	
99.9	77.9	99.9	1000.0	. 99.9	59.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	979.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999 <sub>5</sub> .3	999.	
0.5	10.0	516.8	950.0	14.6	13.8	232.9	10.0	8.0	6.0	293.4	320.9	10.5	94.6	0.2	61.	
1.5	. 12.0	742.3	925.0	13.1	12.5	245.2	13.0	11.8	5.4	294.0	320.0	9.9	96.3	0.9	60.	
2.6	14.4	973.0	900.0	12.1	11.1	231.5	11.0	8.6	6 • 8	295.2	319.8	9.3	93.9	1.7	56.	
3.6	16.5	1209.3	875.0	11.2	10.0	241.4	11.5	10.1	5.5	296.6	320.2	8.9	92.6	2. 4	57•	
4.5	18.9	1451.3	850.0	9.8	8.7	246.4	11.4	10-4	4.6	297.5	319.9	6.3	93.0	3.0	58.	
5.4	21.1	1699.5	825.0	8.9	7.9	248.5	13.3	12.4	4+9	299.1	320.9	8. 1	92.5	3∙ 6	60.	
6.1	23.6	1954.4	800.0	7.5	6.4	247.9	14.2	13.1	5 · 3	300+1	320 • 8	7.6	92.7	4.2	61.	
6.9	25. 9	2215.9	775.0	6.3	. 5 • 3	250.0	15.3	14.4	5.2	301-6	321.6	. 7.3	93.5	4. 5	62+	
7.6	28.4	2484.8	750.0	4.8	3.8	250.7	17.3	16.3	5. 7	302.6	321.3	6.7	93.5	· 5. 6	63.	*
8.5	31.1	2760.9	725.0	2.8	1.9	249.2	17.7	16.5	6.3	303.3	320.3	6.1	93.9	<b>6.</b> 5	64.	
9.5	33.8	3044.4	700.0	0.6	-0.1	249.0	15.8	14.7	5.6	303.9	319+2	5.4	94.8	7.65	65.	
10.6	36.2	3336.2	675.0	0.1	-0.6	253.6	13.5	12.9	3.8	306.4	322.0	5.5	95.4	8. 5	65.	
12.3	39-1	3638.4	650.0	-1.5	-2.5	249.3	14.3	13,4	5.0	307.9	322 • 1	4.9	92.2	9.8	67.	
13.€	41.6	3950.6	625.0	-2.5	-4.3	248.8	16.3	15.2	5.9	310.1	323.2	4.5	88.0	10.9	67.	
14.6	44.6	4274.0	600.0	-4.4	-6.9	248.7	18.8	17.5	6.8	311.5	322.8	3. 8	82.3	12.1	67.	
15.7	47.6	4608.4	575.0	-6.5	-9.8	253.3	18.4	17.6	5. 3	312.7	322.3	3, 2	77.4	13.4	67.	
16.9	50.6	4955.0	550.0	-8.3	-12.3	254.8	13.4	17.8	4.8	314.5	322.8	2.7	72.8	14.67	68.	
18.2	53.9	5314.7	525.0	-10.6	-14.9	255.4	18.7	18.1	4.7	315.9	323 • 1	2.3	70.9	16.1	69.	
19.4	56.9	5688.8	500.0	-12.7	-17.7	254.5	18.3	17.7	4. 9	317.7	323.8	1.9	65.9	17.4	59.	
20.7	60.3	6079.7	475.0	-15.3	-20.0	248.7	23.2	21.6	8. 4	319.2	324.5	1.6	67.1	18.9	69.	
22.0	63.7	6485.8	450.0	-17.6	-23.0	243.8	24.8	22.2	10.9	321.2	325.6	1.3	63∙0	20.9	69.	•
23.4	67.1	6911.3	425.0	-20.6	-26-1	250.8	25.5	24.1	e. 4	322.7	326.2	1.1	61.3	23.0	59.	
24.8	70.8	7357.4	400.0	-23.7	-30.2	254.5	24.4	23.5	6.5	324.2	326.8	0.8	55.1	25.0	69.	
26.1	74.7	7825.6	375.0	-27.4	-33.8	255.0	27.3	26.4	7.1	325.3	327.4	0.6	53.8	27.1	7C.	
27.6	78.7	8318.8	350.0	-31.1	-38.4	259.8	26.8	26.4	4.7	326.7	328.2	0.4	48.4	29.4	70.	
29. 1	82.8	8839•3	325.C	-35.6	-42.9	266.2	27.1	27.0	1.8	327.6	328.6	0.3	46.3	31.9	71.	
30.7	e7. 0	9390.7	300.0	-40.3	99.9	260.4	30.3	29.9	5 · 1	328.6	999.9	99.9	999.9	34.5	72.	
<b>32.</b> 5	91.9	9977.6	275.0	-45.5	99.9	260.4	28.4	28.0	4.7	329.3	999.9	99.9	999.9	37.8	73.	
34.4	96.6	10605.1	250.0	-51.2	<b>99.9</b>	261.2	33.6	33.2	5.2	330.0	999.9	99.9	999.9	41.3	74.	
36.5	101.3	11280.7	225.0	-57-1	99.9	258.8	36.3	35.6	7. 0	331.1	999.9	99.9	999.9	45.7	74.	
38.8	107.9	12014.2	200.0	-64.1	99.9	256.4	43.8	42.6	10.3	331.3	999•9	99.9	999.9	50∙ 8	74.	
41.0	113.8	12820.7	175.0	-67.7	99.9	279.3	35.5	35.1	-5.7	338.2	999•9	99.9	999.9	56.3	75.	
44.2	120.7	13760e2	150.0	-62.6	99.9	280.2	23.9	23.5	-4.2	362.3	999.9	99.9	999.9	60.8	78.	
48.1	128.3	14902.0	125.0	-58.5	99.9	272.9	28.6	28.5	-1.5	389.0	999.9	99.9	999.9	66.8	79.	
53.0	136.7	16315.0	100.0	-55.5	99.9	274.4	19.5	19.5	~1.5	420.5	999.9	99.9	999.9	74.1	81.	
59. 1	145.7	18116.7	75.0	-62.5	99.9	297.0	5•5	4.9	-2.5	441,9	999.9	99.9	999.9	77. 7	82.	
67.2	156.0	20633.8	50.0	-57.1	99.9	30.A	3.3	-1.7	-2.8	509.0	999.9	99.9	999.9	79.8	83.	
79.0	167.0	25049.2	25.0	-53.8	99.9	50.7	4.0	-3.1	-2.5	630.0	999.9	99.9	999.9	79. 3	63.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TENE MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 528 BUFFALO. N Y

24 APRIL 1975 1715 GMT

							1/15 6	m I					•	20 196	, ,
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	PANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5.9	218.0	982.7	11.7	11.7	260.0	5.7	5.6	1.0	267.4	310.1	8.8	100.0	0.0	0.
99, 0	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
0.2	6.4	284.2	975.0	. 12.0	11.3	279.2	5.8	5.7	-0.9	288.4	310.7	8•7	95.5	0.1	97.
0.9	8.4	502.2	950.0	11-4	11.0	275.6	6 · 5	6.4	-0•€	289.9	312.5	e. 7	96.9	C. 2	98.
1.5	10.3	725.3	925.0	10.4	10.0	259.8	9.3	9.2	1.7	291.1	313.0	8.4	97.4	0.5	93.
2.3	12.3	953.5	900.0	9.6	9.3	255.0	12.1	11.7	3. 1	292.5	314.0	8.2	97.7	1.1	<b>93</b> .
2.9	14.4	1187.7	875.0	. 6.8	8.5	260.1	10.7	10.5	1.8	294.0	315.2	8.0	97.6	1.5	82.
3.7	16.3	1427.8	850.0	7.7	7.3	262.0	9.6	9•6	1.3	295.3	315.6	7.6	97.2	5.0	81.
4.5	10.5	1674.0	825.0	644	5.8	265.4	10.7	10.6	0.9	296.3	315.4	7-1	95.8	2.4	82.
5.2	20.6	1926.6	800.0	5.4	3.7	268.6	10.6	10.6	0.3	297.7	314.9	6.3	88.8	2. 9	83.
6.0	. 22. 8	2185.8	775.0	4.0	2.4	267.1	10.9	10.9	0.6	298.9	315.1	5.9	88.9	3.4	84.
6.8	25.2	2452.1	750.0	2.3	-0.4	268.7	11.2	11.2.	0 • 2	299.8	313.6	. 5.0	82.0	3.9	84.
7.6	27.3	2726.0	725.0	1.4	-2-1	269.5	12.0	12.0	0.1	301.6	314.5	4.5	77-1	4.5	85.
8.5	29.7	3008-1	700.0	0.2	-4.7	267.7	12.6	12.6	0.5	303.2	314.3	3.9	69.5	5 • 2	85.
9.5	32.3	3299.2	675.0	-1.6	-6.4	270.4	13.9	13.9	-0. i	304.3	314.6	3.5	69.5	5. 9	86.
10.3	34.8	3598•7	650.0	-3.9	-10.5	275.3		14.5	-1.4	304.8	312.7	2.7	60.4	6.7	86.
11.2	37.1	3908.0	625.0	-4.6	-52.9	278-1	. 14+4	14.2	-2.0	307-1	307.3	0.0	1.0	7.4	88.
12. 3	39.9	4228.0	600.0	-6.5	-54.0	277.0	15.1	15.0	-1.8	308.6	308.8	0.0	1.0	8.4	89.
13.3	42.4	4559.3	575.0	-8.7	-55.4	275-2	16.1	16.0	-1.5	309.8	309.9	0.0	1.0	9.3	90.
14.4	45.2	4901.8	550.0	-11.5	-57-2	273.5	16.8	16.8	-1.0	310.4	310.5	0.0	1.0	10.3	90.
15.4	48.2	5257.1	525.0	-13.2	-57.7	270.3	18.7	18.7	-0.1	312.5	312.6	0.0		11.4	90.
16.6	£1.0	5627.9	500.0	-14.6	-57.5	269.6	20.6	20.6	0.1	315.2	315.3	0.0	1.2	12.7	90.
17e7	54.1	6014.4	475.0	-17.4	-57.7	268.9	24.8	24.8	0.5	316.3	31.6.5	0.0	1.5	14.5	90.
18.9	57.0	6417.3	450.0	-19.9	-58-1	267.5	24+1	24.1	1.1	318+2	319.3	0.0	1.8	16.1	96.
20.3	60.4	6839.6	425.0	-22.3	-58.7	271.6	2448	24.8	-0.7	320.3	320.4	0.0	2 • 1	18.2	90.
21.7	64.0	7281.9	400.0	-25.8	-59.8	263.8	23.7	23.0	-5.7	321.4	321.5	0.0	2.4	20.1	90.
23.1	67.4	7746.5	375.0	-29.1	-61.1	285.7	27.4	26.4	-7.4	323.0	323.1	0.0	2.8	22.1	92.
24.6	71.0	8235.9	350.0	-32.6	-46.5	274.0	34.6	34 • 6	-2.4	324.7	325.3	0.2	23.3	24.9	93.
26.1	75.0	6753.8	325.0	-36.8	-45.4	275.9	36.1	35.9	-3.7	325.9	326.7	0.2	39.9	28.2	93.
27.9	79.3	9302.7	300.0	-41.4	99.9	271.1	43.3	43.3	-0.8	327.0	999.9	99.9	999.9	32.3	93.
29.5	83.6	9887.5	275.0	-46.2	99.9	266.5	46.0	45.9	2.8	328.3	999.9	99. 9	999.9	36. R	92•
31.5	88.2	10512.7	250.0	-52.0	99.9	265.5	45.0	44.9	3.6	328.7	999.9	99.9	999.9	42.2	
33.6	93.5	11197.4	225.0	-57.3	99.9	261.9	53.0	52.5	7.5	330.7	999.9	99.9	999.9	48.3	91.
35.6	98.9	11922.0	200.0	-62.6	99.9	267.9	53.1	53.1	2.0	333.6	999.9	99.9	999.9	54. 9	90.
38.1	105.0	12736.4	175.0	-66.6	99.9	280.0	40+5	39.9	-7.0	340.1	999.9	99.9	999.9	61.7	91.
40.9	111.7	13683.4	150.0	-60.3	99.9	269.1	34.1	34.1	. 0. 5	366.3	999.9	99.9	999.9	67.1	91.
44.2	119.3	14827.7	125.0	-56.5	99.9	271.7	27.9	27.9	~0.8	392.7	999.9	99.9	999.9	73.5	91,
46.3	128.3	16256+2	100.0	-54.2	99.9	289.9	30.0	28.2	-10.2	423.0	999.9	99.9	999.9	80.4	92.
53.1	138.5	18087.6	75.0	-57.6	99.9	243-1	2.9	2.5	1.3	452.2	999.9	99.9	999.9	86.5	93.
59.4	149.3	20645.4		-57.1	99.0	349.3	4.3	0.8	-4.2	509.0	999.9	99.9	999.9	89.8	94.
68.6	161.0	25097.1	25.0	-51.7	99.9	66.7	5+1	-4.7	-5.0	636.1	999.9	99.9	999.9	99.9	94.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN & AND 10. DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN & DEG

### STATICN NO. 532 PEORIA. ILL

### 24 APRIL 1975 1716 GMT

								1/10 0	- 1					10	22 14	• 0
	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	
	MIN		GPM	MB	DG C	EG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
	0.0	5.6	200.0	987.2	17.2	15.0	320.0	4.6	3.0	-3.5	292.9	321.3	11.0	87.0	0.0	0.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
	0.4	6.5	306.6	975.0	16.9	15.4	308.2	2.7	2.1	-1.7	293.7	323.4	11.4	90.9	0. 1	131.
	1.2	€. 6	527.8	950.0	14.7	14.1	312.6	4.8	3.5	-3.2	293.5	321.5	10.8	96.6	0.3	130.
	2.1	10-6	753.7	925.0	13.3	12.8	310.8	5.4	4.1	-3.5	294.3	320∙8	10.1	96.4	0.6	133.
	3.0	12.7	984.4	900.0	12.2	11.7	310-1	5+2	4.0	-3.4	295.4	320.9	9.6	96.3	0.8	131.
	4.0	14.9	1220.5	875.0	10.8	9.8	305.9	5.2	4.2	-3.1	296.1	319.5	8.8	93.7	1. I	131.
	4.9	16.9	1462.3	850.0	9.3	8.9	315.7	6.7	4.7	-4.8	297.0	319.8	8.5	97.3	1.5	131.
	5.8	19.3	1710.0	825 <b>•</b> 0	7.8	7.0	305.7	8.2	6.6	-4.8	297.8	318.5	7.7	94.5	1.9	131.
	6.9	21.4	1963.7	800.0	6.9	2.3	300.5	9•1	7.8	-4.6	299.2	314.9	5.7	72.9	2.4	129.
	7.9	23.8	2224.5	775.0	6.0	-1.7	299.8	8.0	6.9	-4.0	300.8	313.2	4.4	57.7	3.0	128.
	9.0	26. 1	2492.8	750.0	5 · 1	-12.0	295.6	7.3	6.6	-3.2	302.4	308 • 4	2.0	27.7	3. 5	126.
	10.2	28.7	2768.4	725.0	2.8	-7.8	285.0	7.2	7.0	-1.9	302.9	311.6	3.0	46.9	4.0	125.
	11.3	31.3	3051.8/	700.0	1.5	-8.6	271.8	6.8	6.8	-0• S	304.5	313.0	2.9	47.5	4.4	121.
	12.4	33.9	3343.5	675.0	-0.5	-55.0	280.7	5•0 '	4.9	-0.9	305.2	308.2	1.0	17.7	4. B	119.
-	13.6	36.4	3643.8	650.0	-2.8	-17.0	288.5	4.3	4.1	-1.4	305.9	310.7	1.5	32.5	5.0	119.
	14.8	39. 3	3953.2	625.0	-5.3	-19.7	271.7	5 • 4	5.4	-0.2	306.5	310.5	1.3	31.1	5 <sub>e</sub> 4	117.
	16.0	41.9	4272.3	600+0	-7.4	-27.0	265.3	4.8	4 • 8	0.4	307.6	309.9	0.7	19.5	5. 7	115.
	17.3	44.9	4602.5	575.0	-9.3	-34.0	263.9	4.9	4.9	0.5	369.1	310.4	0.4	12.0	6.0	114.
	18.6	46.0	4944.4	550.0	-11.8	-21.0	254.7	7.7	7.4	2.0	310.2	314.3	1.3	46.3	6.4	111.
	19.9	50.9	5300.8	525.0	-11.9	-20.3	270.5	12.2	12.2	-0.1	314.3	318.9	1.4	49.5	7.1	108.
	21.4	54.3	5673.7	500.0	-13.5	-28.8	279.7	15.9	15.7	-2.7	316.7	319.0	0.7	26.1	8. 3	106.
	22.0	57.4	6061.9	475.0	-16.2	-60.2	280.6	17.8	17.5	-3.3	317.9	318.0	0.0	1.0	9. 9	126.
	24.4	61.0	6466.0	450.0	-19.3	-62.2	281.2	19.6	19.2	-3.8	318.9	319.0	0.0	1.0	11.5	105.
	26.0	64.7	6888.5	425.0	-22.2	-64.1	274.1	23.4	23.3	-1.7	320.4	320.5	0.0	1.0	13.5	104.
	27.6	68.3	7330.8	400.0	-26.2	-66.7	272.3	24.5	24.5	-1.0	320.9	320.9	0.0	1.0	15.9	102.
	29.5	72.2	7793.9	375.0	-30.1	-69.2	267.4	24.8	24.8	1.1	321.7	321 • 7	0.0	1.0	18.7	101.
	31.4	76.3	8281.4	350.0	-33.9	-71.7	263.4	27.7	27.6	3.2	323.0	323.0	0.0	1.0	21.6	98.
	33.5	80.7	8796.1	325.0	-38.0	-59.5	259.8	26.5	26.1	4.7	324.2	324.3	0.0	8.6	24.8	96.
	35.4	e5.3	9341.9	300.0	-42.6	99.9	253.8	29.7	28.5	8. J	325.3	999.9	99.9	999.9	27.9	94.
	37. 2	90.2	9922.5	275.0	-48-1	99.9	244.6	34.9	31.5	15.0	325.5	999.9	99.9	999.9	30.9	91.
	39.6	95.4	1054562	250.0	-52.2	<b>99.9</b>	235.9	35.6	29.5	20.0	328.4	999.9	99.9	999.9	35.4	86.
	42.0	101.3	11219.5	225.0	-57.2	99.9	243.6	37.7	33.8	16.8	330.9	999.9	99.9	999.9	39.7	83.
	44.6	107.0	11960.4	200.0	-60.3	99.9	253.3	38.6	37.0	11.1	337.4	999.9	99.9	999.9	45.0	81.
	47.6	113.5	12795.2	175.0	-59.7	99.9	259.5	32.4	31.9	5. 9	351.4	999.9	99.9	999.9	51.9	81.
	51.0	120.7	13764.6	150.0	-57.3	99.9	260.9	27.2	26.8	4.3	371.3	999.9	99. 9	999.9	58. 1	80.
	55.0	128.7	14918.0	125.0	-56.0	99.9	250.3	21.9	20.6	7.4	393.6	999.9	99.9	999.9	63.7	80.
	59.9	137.0	26335.9	100.0	-57.3	99.9	264.6	17.6	17.5	1.7	417.0	999.9	99.9	999.9	70 · 8	80.
	65.6	145.3	18138.7	75.0	-62.7	99.9	256.7	16.3	16.0	3. 2	441.5	999.9	99.9	99 <b>9•</b> 9	77- 0	79.
	74.1	154.7	20692.9	50 • 0	-56.2	99.9	264.6	5.7	5.7	0.5	511.1	999.9	88.º.8	999 <b>.</b> 9	80. 7	80.
	87.7	164.7	25167.9	25.0	-48.8	99.9	98.3	3.4	-3.4	0. 5	644.8	999.9	99.9	999.9	80.6	80.

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME PAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 553 DMAHA. NEB

## 24 APRIL 1975 1715 GMT

156 22. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMF	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KA	ÐG
0.0	7.2	400.0	965.2	13.4	11.5	40.0	3. 5	-2.3	-2.6	290.7	314.2	9.1	90.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.4	8.5	534.2	950.0	13.4	12.4	7.2	2.6	-0.3	-2.6	292.0	317.0	9.6	94.0	0.2	239.
1.3	10.5	759.8	925.0	12.1	11.5	40.0	1.2	-0.B	-0.9	293.0	317.2	9.3	95.7	0.3	227.
2.0	12.6	989.0	900.0	12.1	11.5	280.4	1.8	1.8	-0.3	295.3	320.4	9.5	95.8	0.3	224.
2.9	14.8	1225.2	875.0.	11.2	9.0	267.8	3.8	3.8	0.1	296.5	318.8	8.3	86.6		184.
3.8	16.8	1467.0	850.0	10.0	5.0	235.3	5.5	4.5	3.1	297.5	315.1	6.5	71.0	0.3	122.
4.6	19.1	1714.7	825.0	9.5	-5 • 1	214.3	3.5	2.0	2.9	299•1	308.2	3.2	35.1	0.4	
5.5	21.3	1971.1	800.0	10.1	-2.9	156.3	0.5	-0.2	0.5	302.4	313.5	3.9	39.8	G. 4	72.
6.4	23.6	2234.3	775.0	8.4	-4.2	133.5	1.5	-1.1	1.0	303.4	313.9	3.6	40.7	0.4	70.
7.4	25.8	2504.5	750∙∂	7.1	-8.4	140.2	4.0	-2.5	3.0	304.6	312.6	2.7	32.3	Q • 4	
8.6	28.4	2782.2	725.0	4.7	-5.9	142.8	3.7	-2.3	3.0	305 <sub>•</sub> 1	315.0	3.4	45.8	J. 5	
9.7	30.9	3067.1	700.0	2.3	-6.4	180.9	2.7	0.0	. 2.7	305.4	315.3	3,4	52.5	0.7	
10,9	33. 5	3359.8	675.0	-0.3	-7.8	229.1	3.0	2.3	2.0	305.7	315.0	3.2	56.8	0.9	
11.8	35.8	3660.8	650.0	-2.4	-8.2	243.0	3.4	` 3•1	1.6	306.6	316.0	3.2	64.6	1.0	
13.1	38.6	3970.9	625.0	-4.8	-10.7	235.2	4.7	3.9	2.7	307.2	315.2	2.7	62.5	1.2	
14.2	41.0	4290.8	600.0	-7.1	-11.7	232.1	6.2	4.9	3.8	308.2	316.0	2.6	69.3	1.6	
15.4	43.9	4621.2	575.0	-9.4	-15.1	246.3	8.4	7.7	3. ♦	309.2	315.6	2.1	63.1	5.0	
16.6	46.3	4964.1	550.0	-11.3	-22,7	256.3	9.4	9.1	2.2	310.7	314.3	1.1	38.4	2.6	
17.9	49.8	5319.0	525.0	-14.3	-26.4	263•9	10.7	10.6	1.1	311.3	314.0	0.8	35.0	3. 2	
19.2	52.6	5686.9	500.0	-17.2	-28.0	271.8	14.7	14.7	-0.5	312.1	314.6	0 • 8	38.3	4.1	61.
20.5	55.7	6069.2	475.0	-20.2	-33.4	275.1	14.3	14.3	-1.3	313.0	314.6	0.5	29.7	5• 2	
21.9	58.9	6467.6	450.7	-22.5	-45.9	266.5	15.0	15.0	0.9	314.9	315.4	0.1	9 <b>.</b> 8	6. 3	
23.5	62 <b>.</b> 3	6884.8	425.0	-25.6	-44.4	264+8	16.5	16.5	1.5	316.2	316.8	0.2	15.2	7.5	
25. 2	65.8	7321.2	400.0	-29.3	-37.2	264.3	18.2	18.L	1.8	316.9	318.2	0.4	46.0	9. 5	
26.7	69.3	7778.3	375.0	-33.1	-38.8	264.5	19.2	19-1	1.9	317.8	319.0	0.3	56.0	11.2	79●
28.4	72.9	8260.0	350.0	-36.6	-42.8	259.7	21.3	21.0	3₀ 8	319.3	320.2	0.2	52.4	13.4	79.
30 • 3	77.0	8769.2	325.0	-40.2	99.9	249.2	21.6	20.2	7.7	321.2	999.9	99.9	999.9	15.6	
32.2	e1.0	9309.7	300.0	-44.5	99.9	255.6	24.1	23.3	6.0	322.6	999.9	99.9	999.9	18.2	77.
34 - 1	85 <b>.</b> 3	5687.1	275.0	-48.8	99.9	252.3	24.4	23.2	7.4	324.6	999.9	99.9	999.9	21.0	
36.3	69 <b>.</b> 8	10507.6	250.0	-53.3	99.9	254.8	34.2	33.0	8.9	326.9	999.9	99.9	999.9	24. 7	
38.7	95.0	11184.1	225.0	-54.6	99.9	251.2	29.3	27.8	9. 4	334.9	999.9	99.9	999.9	29.2	764
4101	100.2	11932.6	200.0	-57.2	99.9	262.7	35.1	34.8	4.4	342.2	999.9	99.9	999.9	34. 3	76.
44.2	106.3	12777.3	175.0	-55.2	99.9	257.7	36.2	35.3	7.7	358.8	999•9	99.9	995.0	40.7	70.
47.4	112.7	13762.9	150.0	-56.4	99.9	245.7	35.6	32.4	14.6	372. e	999.9	99.9	999.9	46.5	76.
51.1	120.0	14920-6	125.0	-56.1	99.9	247.1	29.8	27.5	11.6	393.4	999.9	99.9	999.9	53.6	75.
55.6	128.5	16361.4	100.0	-52.7	99.9	259.6	1.8 • 1	17.8	3. 3	425.9	999.9	99.9	999.9	61.3	
61.2	138.3	18204.8	75.0	-58.0	99.9	237.9	20.0	16.9	10.6	451.4	999.9	99.9	999.9	67.4	75.
68.9	148.7	29791.3	50.0	-53.1	99.9	213.9	329	2•2	3 • 3	518.4	999.9	99.9	999.9	72.5	74.
81.7	160.5	25286.9	25.0	-47.4	99.9	78.9	8.2	-8.0	-1.6	648.6	999.9	99.9	999.9	71.0	740

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 562 NORTH PLATTE, NEB

24 APRIL 1975

1715 GMT 156 23. 0 HE I GHT PRES TEMP CEW OT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT GFM MB CG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN 299.4 311.2 4.2 29.0 0.0 0. 847.0 -3.9 0.0 14.8 915.7 18.3 -0.0 320.0 . 5.1 3.3 99.9 99.9 999.9 999.9 999.9 999. 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99. 9 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 959. 99.9 99.9 99.9 925.0 59.9 99.9 327.9 307.9 0.2 139. 16.0 994.3 900.0 16.5 -4.1 3.9 2.1 -3.3 298.9 3.1 24.0 0.5 1232.9 875.0 14.3 -4.5 319.2 4 . 8 3.1 -3.6 299.0 308.0 3.1 27.0 0.4 140. 1.4 16.6 21.1 1476.1 850.0 11.5 -4.9 330.2 3-1 -5.4 298.6 307.5 3. f 31.3 0.7 141. 6.2 2.3 825%0 -4.5 331.9 2.5 -4.8 299.0 308.5 3.3 37.1 1.0 145. 23.8 1724.6 9.4 5.4 3. 2 -4.8 308.2 -3.0 299.0 308.6 3.4 42.9 1.3 145. 26.2 1978.7 800.0 7.0 4.5 3.8 4.1 305.8 18.6 1.5 137. 29.1 2239.4 775.0 6.8 -15.5 259.0 5.6 5.5 1.1 301.3 1.5 5.0 301.5 305.9 1.5 20.9 1.7 129. 2507.4 750.0 -16.0 276.4 8.0 7.9 -0.9 5.9 31.9 4.3. 305.9 18.3 2.2 123. -2.7 302.3 1.2 6.7 34.9 2782.2 725.0 2.5 -19.2 283.2 11.9 11.6 -2.6 34.6 2.8 119. 303.2 309.0 1.9. 37.5 3064.7 700.0 0.4 -13.5 280.0 14.6 14.4 7.5 304.1 311.2 47.1 3.6 114. -0.9 2. 4 8.4 40.4 3355.5 675.0 -1.6 -11.4 273.5 14.4 14.4 304.3 53.5 4.3 109. 12.2 0.8 311.1 2.3 9.4 43.4 3654.6 650.0 -4.4 -12.4 266.4 12.3 311.7 59.0 4.9 106. 305.1 2.2 10.3 3962.3 625.0 -6.6 -13.3 265.2 11.9 11.8 1.0 46.4 5.7 193. 1.0 366.1 311.6 1.8 54.6 11.4 45.6 4280.1 600.0 -8.8 -16.3 265.9 13.3 13.3 310.2 28.9 6.5 101. 2.5 307.5 0.8 12.5 52.6 4608.6 575.0 -10.7 -25.6 260.3 14.6 14.4 1.5 308.6 309.4 0.2 8.5 7.4 95. 13.5 55.7 4949.0 550.0 -13.0 -41.6 264.4 15.0 15.0 309.5 309.9 0.1 4.6 8.5 97. 14.7 59.0 5301.5 525.0 -15.7 -47.3 270.1 15.0 15.0 -0.0 9.5 5667.8 500.0 -48.6 278.1 16.0 15.8 -2.3 310.6 311.0 0. I 4.9 96. 15.8 62.5 -18.3 -4.2 311.6 311.9 0.1 5.3 10.7 37. 17.0 65.9 6048.3 475.C -21.2 -50.2 284.1 17.2 16.7 311.9 312.2 0.1 5.8 11.8 98. 278.6 -2.4 18.0 69.5 6444.4 450.0 -24.9 -52.3 16.2 16.0 313.0 13.0 97. 313.2 0.1 6.2 19.3 73.0 6657-1 425.0 -28.1 -54.2 266.5 16.6 16.5 100 314.3 314.5 0.0 14.3 95. 6.5 20.7 77.0 7289.5 400.C -31.2 -56.1 252.0 16.8 16.0 5.2 7.0 93. 315.5 315.7 0.0 15.6 22.0 80.9 7743.9 375.0 -34.7 -58.3 251.9 19.4 18.5 6.0 0.0 13.3 17.3 91. 316.1 316.3 23.5 65. O 8221.3 350.0 -39.0 -56.6 248.9 20.1 18.7 7.2 317.5 999.9 99.9 999.9 19.2 8 7. 25.1 85.2 8725.4 325.0 -43.0 99.9 246.9 23.2 21.4 9. 1 999.9 99.9 995.9 21.3 26.8 93.8 9259.6 300.0 -47.6 99.9 243.9 22.0 19.7 9.7 318.3 36. 999.9 9828.4 275+0 -52.3 99.9 242.1 23.B 21.0 11.1 319.6 999.9 99.9 23.5 94. 28.5 58.3 999.9 30.5 103.2 10441.3 250.0 -55.3 99.9 239.7 25.7 22.2 13.0 323.9 999.9 99.9 26. 3 81. 245.0 332.7 999.9 99.9. 999.9 29.4 73. 32.5 108.5 11113.0 225.0 -56.0 99.9 26.3 23.8 21-1 343.4 999.9 99. 9 999.9 33.4 78. 35.1 114.0 11860.8 200.0 -56.4 99.9 250.0 26.0 24.4 8.9 999.9 99.9 999.9 37.3 76. 358.6 38.1 120.3 12710.4 175.0 -55.2 99.9 238.2 21.2 18.0 11.2 99.9 999.9 76. 13699.7 150.0 -54.9 99.9 259.8 21.9 21.6 3.9 375.5 999.9 42.2 41.3 126.8 999.9 99.9 999.9 45.9 77. 391.2 45.6 134.3 14865.9 125.0 -57.3 99.9 254.6 17.4 16.8 4.6 99.9 999.9 70. 999.9 52.6 16278.0 100.0 -55.9 99.9 253.1 17.8 17.0 5.2 419.8 50.4 141.7 59.1 7.3 454,7 999.9 99.9 999.9 75. 56.7 14.6 149.7 18110.2 75.0 -56.4 99.9 243.6 16.3 64.7 75. 3.3 999.9 99.9 999.9 249.1 515.8 64.5 158.7 20700-0 50.0 -54.2 99.9 9.3 8.6

-50.0

99.9

999.9

25.0

77.1

168.3

25206.4

99.9

99.9

59.9

641.2

999.9

99.9

999.9

999.9 999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 606 PERTLAND. ME

24 APRIL 1975 1715 GMT

159 17. 0

			•				1/15	,						39 11	• •
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	. A CCMB	POT T	E POT 1	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	r G
0.0	5.5	20.0	1009.7	6.1	6.1	50.0	2.6	-2.0	-1.7	279.2	294.1	5.9	100.0	0.0	0.
. 0.3	6.3	99.5	1,000.0	6.7	5.6	999.9	99.9	99.9	99. 9	260.6	295.2	5.7	92.4	999. 9	
0.8		307.1	975.0	5.1	5.1	399.9	99.9	99.9	99.9	281.0	295•4	5.7	100.€	<del>9</del> 99• 9	-
1.5		519.4	950.0	5.2	5.2	999.9	99.9	99.9	99.9	283.2	298.2	5.8	101.0	999. 9	
2.3	13.3	739.5	925.0	7.5	7.3	999.9	99.9	99.9	99•9	287.9	306.1	7.0	98.5	999. 9	
3.0		966.1	900.0	9.9	7.1	999.9	99.9	99.9	55.9	292.6	311.4	7. 1	82.9	999. 9	
3.7		1200.5	875.0	9.9	4.7	246.7	8.6	7.9	3.4	294.9	311.5	6.1	70.1		105.
4.6		1441.6	850.0	9.0	4.2	255.2	9.2	B.9	2.4	296.4	313.0	6.1	71.7	1.7	
5.4		1689.6	825.0	7.6	3.6	264.B	12.3	12.2	1.1	297.4	314.0	6.0	75.7	2. 2	
6.2		1941.9	800.0	6.0	2.7	264.9	13.8	13.7	1.2	298.3	314.4	5.6	79.0	2.8	
7.0		2201.4	775.0	4-1	2.0	268.9	15.1	15.1	0.3	299.0	315.8	6-1	91.3	3.6	
8.0		2467.8	750.0	2.3	0.9	269.7	16.4	16.4	0 • 1	299.7	314.9	5.5	90.5	4.4	÷0•
8.9		2741.3	725.0	0.3	-1.2	272.7	17.8	17.8	-C. 8	300.4	314.0	4.9.	90.2	5.4	90.
9.9		3022.2	700.0	-1.8	-2.5	273.1	17.8	17.8	-0.9	301.1	314.0	4.6	94.7	6.5	
10.9		3310.7	675.0	-3.9	-5.2	270.8	18.1	18.1	-0.3	301.7	312.9	3.9	91.4	7.5	
11.9		3608.6	650.0	-3.3	-18.7	270.9	18.6	18.6	-0.3	305.4	309 • 5	1.3	29.1	8.7	
12.9		3917.4	625.0	-5.7	-25.1	271.2	18.5	18.5	-0.4	305.9	308.5	0.8	19.9	9. B	
13.9		4236.2	600.0	-7.5	-25.8	267.0	20.2	20.2	1.1	307.5	309.9	0.8	21.4	10.9	
14.9		4565.7	575.0	-10.2	-26.6	264.9	22.0	21.9	2.0	308.1	310.6	0.8	24.6	12.2	
16.0		4906.7	550.0	-12.5	-27.9	266.0	21.5	21.5	1.5	309.4	311.6	0.7	26.2	13.7	
17.2		526C.0	525.0	-15.0	-36.8	266.0	18.4	18.3	1.3	310.3	311.4	0.3	13.6	15.1	
18.6		5627.5	500.0	-16.8	-43.6	269.3	18.5	18.5	0.2	312.5	313.0	0.2	7.7	16.6	
20.0		6010.5	475.0	-19.9	-34.2	270.5	18.8	18.8	-0.2	313.4	314.9	0.4	27.1	18.1	
21.3		6409-1	450.0	-22.9	-28.5	265.3	21.7	21.7	1.8	314.4	317.1	0.8	59.9	19.6	
22.6		6626.6	425.0	-24,6	-29.4	266.9	27.8	27.8	1.5	317.5	323.2	0.8	64.1	21.6	
23.9		7265.4	400.0	-27.7	-32.6	269.8	32.0	32.0	0.1	319.0	321.1	0.6	62.8	24.1	
25.4		7726.1	375.0	-31.3	-36.5	272.9	36.0	36.0	-1.8	320.1	321.7	0.4	59.7	27.1	
26.9		8210.1	350.0	-36.0	-41.5	271.3	34,4	34.4	-0.8	320.1	321.1	E•0	56.3 999.9	30.1 33.3	99.
29.4		8720.4	325.0	-40.3	99.9	271.7	36.9	36.9	-1-1	321.1	999.9	99.9	999.9	37.2	
30 • 1	92.0	9260.1	300.0	-45.5	99.9	275.0	37.2	37.0	-3-2	321.2	999.9	99.9			
32.3		9834.4	275.0	-49.7	99.9	282.9	37.2	36.3	-6.3	323.3	999.9	99.9	999.9	42.0	
34.3		10453.4	250.0	-53.3	99.9	287.4	42.6	40.6	-12.7	320.9	999.9	99.9	999.9 999.9	46.4 51.7	
36.4	107.2	11125.0	225.0	-57.9	99.9	296.8	37.2	33.2	-16.8	329.8	999.9	99.9	999.9	56.8	
38.9		11862.2	200.0	-59.8	99.9	290-2	36.1	33.9	-12.5	338.0	999.9	99.9 99.9	999.9	61.5	
41.6		12695.2	175.0	-59.7	99.9	278.3	28.6	28 <b>.3</b> 33.7	-4.1	351.4 371.0	999.9 999.9	99.9	999.9	67.3	
44.8		13664.2	150.0	-57.5	99.9	285.0	34.9		-9.0 -1.0		999.9	99.9	999.9	73.8	
48.9	- ,	14825•1 16257•9	125.0	-55.9	99.9	279•3 280•8	23.6	23.3	-3.8 -5.4	393.8 424.8	999.9	99.9	999.9	79.4	
53.7		18096.2	100+0 75+0	-53.3 -57.1	99.9 99.9	288.4	16.6 12.1	15.9 11.5	-3.8	453.3	999.9	99.9	999.9	83.9	
59. 4 66. 9		20678.6	50.0	-53.0	99.9	46.6	3.0	-2.2	-2.0	518.6	999.9	99.9	999.9		101.
77.9		25174.0	25.0	-49.8	99.9	168.0	1.9	-0.4	1.0	642.1	999.9	99.9	999.9		101.
7764		431/96U	438U		4744	10040				07681	77787		77794	17/89	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 637 FLINT. MICH

						24	APRIL	1975							
			. •				1800 G	PΤ					1:	59 19	• 0
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEFD	U COMP	· V CEMP	POT T	E POT T	MX RTO	PH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5.7	236.0	983.7	9.4	5.6	20.0	5.1	-1.7	-4 · B	284.6	299.7	5.8	77.0	0.0	
99.9	99.9	99.9	1000.0	· 99•9	99.9	99.9	99.9	39.9	99.9	99.9	999•9	99.9	999.9	999. 9	
0.4	6.4	309.4	975.0	7.1	3.8	350.8	6.2	1.0	-6.1	262.9	296.3	5.2	79.7		135.
1.2	ۥ5	522.6	950.0	5.1	4.1	356.7	5.6	0.3	-5.6	283.0	297.1	5.4	93.7		179.
1.9	10.5	740.0	925.0	3.6	3.0	3.7	4.7	-0-3	-4.7	283.7	297.1	5.2	95.9		179.
2.6 3.4	12.7 15.0	962•4 1192•1	900.0 875.0	3•6 5•2	2.2	339.9	3.3	1.1	-3.1	285.9	299.0	5•0 4•9.	90.1		190.
4.2	17.0	1430.0	850+0	7.1	1.6 3.3	296.7 280.1	6•1 8•3	5•4 8•2	-2.7 -1.5	289.8 294.3	303.0 309.9	5.7	77.5 76.8		171. 154.
5.0	19.5	1676.0	825.0	6.8	3.5	272.1	9.0	9.0	-0.3	296.6	313.0	6.0	79.4	1.4	
5.9	21.5	1928.9	800.0	5.8	3.2	273.0	9.5	9.4	-0 c 5	298.1	314.7	6.1	83.7		128.
6.8	24.0	2188.5	775.0	4.7	2.5	280.5	10.0	9.9	-1.6	299.6	316.1	6.0	86.0		127.
7.7	26.3	2456.1	750.0	4.5	-9.6	288.0	10.1	9.6	÷3,1	301.8	309.1	\$ 2.5	34.9		118.
R. 6	28.8	2731.3	725.0	2.7	-11.8	285.1	10.1	9.8	-2.6	302.7	309.0	2.1	33.5		116.
. 9.5	31.4	3014.2	700.0	0.6	-12.4	281.9	10.9	10.7	-2.3	303.4	309.6	2.1	37.1	3.8	114.
10.3	34.0	3305.0	675.0	-1.4	-16.0	278.9	10.7	10.6	-1.7	304.3	309+3	1.6	31.€	4.4	113.
11.4	36.3	3695.0	650.0	-2.7	-25.0	277.9	9.8	9.7	-1.4	306.0	308.5	0.8	15.9	5.0	110.
12.2	39. 1	3914.7	625.0	-4.6	-29.5	283.1	10.7	10.4	-2.4	307.2	308.9	0.5	12.1	5.5	110.
13.4	41.7	4235.1	600.0	-6.2	-35.0	282.9	12.1	11.8	-2.7	309.0	310.1	0.3	e. 1		109.
14.4	44.6	4566.5	575.0	-8.6	-37.1	280.5	11.2	11.0	-2.0	309.9	317.8	0.3	7.9		108.
15.9	47.6	4508.7	550.0	-12.0	-37.5	270.0	12.2	12.2	0.0	309.9	310.8	0.3	9.8		107.
16.9	50.5	5263.2	525.0	-14-1	-42.3	264.8	13.2	13.1	1.2	311.5	312.1	0.2	7.0		105.
16-1	53.4	5632.5	500.0	-15.3	-47.0	267.6	13.0	13.0	0.6	314.4	314 • 8	0.1	4.6		103.
19.3	56.4	6018.3	475.0	-17-6	-43-5	271.0	13.1	13.1	-0.2	316.1	316.7	0.2	8. 3		102.
20.5	59.6	6421.6	450.0	-19.7	-44.3	263.8	14.2	14-1	1.5	318.4	319.0	0.2	9.1		191.
21.9 23.2	63.0 66.3	6843.0 7284.1	425.0 400.0	-22.7 -26.9	-46.4	257•5 248•9	14.4	14.1 13.8	3. 1	319.8 320.0	320.3 320.8	0.1 0.2	9•4 22•0	12.7 13.7	
24.5	69.7	7743.9	375.0	-30.8	-42.1 -38.1	243.9	14.8 18.5	16.6	5. 3 8. 1	320.0	322.1	0.4	49.5	14.7	
26.0	73.3	8234.2	350.0	-32.9	-37.1	251.0	28.0	26.4	9.1	324.4	326.0	0.4	65.4	16.7	
27.7	77.3	8751.1	325.0	-37.3	-42.3	256.8	32.4	31.6	7.4	325.2	326.2	0.3	59.6	19.7	83.
29.4	81.3	9299•2	300•C	-41.7	99.9	255.9	39.5	38.4	9.6	326.6	999.9	99.9	999.9	23.2	87.
31.5	65. 7	9883.8	275.0	-45.9	99.9	247.3	41.6	38.4	16.0	328.8	999.9	99.9	999.9	29. 3	34.
33.7	90.4	10510.3	250.0	-51.5	99.9	248.2	41.4	38.4	15.3	329.5	999.9	99.9	999.9	33.5	81.
35.9	95.3	11185.5	225.0	-57.2	99.7	255.7	45.0	43.6	11.1	330.9	999.9	99.9	999.9	39.0	80.
38.3	100.5	11923.7	200.0	-60.6	99.9	256.1	42.3	41-1	10.2	336.8	999.9	99.9	999.9	45. 9	79.
41.4	106.5	12747-1	175.0	-62.2	99.9	250.0	32.6	30.8	11.2	347.4	999.9	99.9	999.9	52.8	79.
44.8	112.8	13712.1	150.0	-57-1	99.9	263.9	27.8	27.6	3.0	371.7	999.9	99. 9	999.9	59. 3	79.
48.9	120.3	14867.0	125.0	-55.7	99.9	263.1	25.7	25.5	3 <b>.</b> 1	394.1	999.9	99.9	999.9	65.4	79.
53.5	128.3	16295.5	100.0	-52.6	99.9	259.5	24.4	24.0	4.4	426.2	999.9	99.9	999.9	72.A	60.
59.9	126.0	18129.9	75.0	-59.7	99.9	306.9	9.7	7.7	-5.8	447.8	999•9	99.9	999.9	80.3	80.
67.6	148.7	20682.4	50.0	-56.6	99.9	0.7	2.6	-0.0	-2.6	510.3	999.9	99'- 9	999.9	63.4	81.
79.3	160.3	25147.9	25.0	-50.9	99.9	267.4	2.5	2.8	0. 1	638.9	999.9	99.9	99949	84.3	81.

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645 GREEN BAY, WIS

24 APRIL 1975 1715 GMT

163 16. G TIME CNTCT PRES TEMP U COMP E POT T MX RTO RH RANGE AZ HE I GHT DEW PT DIR SPEED V CCMP POT T MIN GFM 'MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 74.0 7.0 210.0 988.B 7.2 2.9 20.0 -1.4 -3.9 281.9 294.2 4.8 0.0 0. 0.0 A.1 999.9 999.9 999. 99.9 99.9 999.9 99.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 295.4 5.1 83.2 999.9 999. 0.5 8.3 325.7 975.0 6.3 3.7 999.9 99.9 99.9 99.9 262.2 999.9 999. 294.0 93.4 1.4 10.5 537.8 950.0 3.6 2.0 999.9 99.9 99.9 99.9 281.4 4.9 292.9 100.3 0.5 209. 2.3 12.9 753.6 925.0 1.2 1.2 5.9 4.7 -0.5 -4.7 281.1 4.5 101.0 6.8 201. 3.0 15.3 974.0 900-0 0.0 0.0 10.6 6.1 -1.1 -6.0 282.1 293.3 4.3 287.3 295.6 3. 1 57.9 1.1 201. 3.5 17.7 1200.7 875.0 3.0 -5.0 18.6 6.3 -2.0 -6.0 292.6 41.9 1.4 195. 4.7 20.2 1437.2 850.0 5.8 -6.2 0.6 5.2 -0.1 -5.2 300.5 2.8 293.9 -7.1 2.7 42.0 1.6 194. 5.7 22 • 6 1681.0 825.0 4.7 353.5 5.5 0.6 -5.5 301.6 294.5 6.6 25.2 1931.1 800.0 2.8 -6.4 340.3 5.5 1.9 -5.2 302.9 3.0 50.8 1.9 191. 7.6 27.7 2188.2 775.0 2.4 -5.0 312.5 5.0 -4.6 296.8 306.4 3.4 57.9 2.2 183. 6.8 -48.4 30.3 750.0 2.5 305.2 7.0 5.7 -4.1 299.3 299.5 0.1 1.0 2.5 175. 8.6 2452.8 -49.2 292.6 7.6 7.1 -2.9 300. B 301.0 0.1 1.0 2.8 167. 9.5 33.1 2726.0 725.0 1.2 -0.5 -50.3 282.2 -1.9 301.9 302.1 0.1 3.0 159. 10.7 35.9 3007.1 700.0 9.2 8.9 1.0 -1.7 3296.5 675+0 -1.9 -51.2 278.7 11.0 10.9 303.5 303.7 0.0 1.9 3.5 148. 11.9 39.6 3595.5 -3.9 -31.5 0.1 304.6 306.0 0.4 9.5 4.0 139. 13.1 41.3 650.0 269.3 10.6 10.8 266.4 3903.5 625.0 -32.5 10.9 0.7 305.3 306.6 0.4 10.3 4.5 131. 14.3 44.3 -6.3 10.9 47.3 4221.4 -8.6 -39.2 274.3 306.1 306.8 0.2 6.3 5.1 125. 15.5 600.0 12.1 12.1 -0.9 277.3 -1.9 575.0 -10.7 -40.8 14.9 307.4 308.0 0.2 6.3 6.1 121. 16.8 50.4 4550.1 14.8 4890.1 -13.1 -39.3 273.0 -0.8 308.5 309.3 0.2 8.9 7.2 117. 18.0 53.3 550.0 15.5 15.5 19.4 309.7 10.9 8.3 113. 56.4 5242.5 525.0 -16.2 -39.9 267.3 15.7 15.7 0.8 309.0 0.2 20.8 59.8 5608.1 500.0 -18.3 -40-0 261.0 17.4 17.2 2.7 310.7 311.5 0.2 12.7 9.6 109. 22.2 63.3 5988.9 475.0 -21.2 -38.4 264.7 18.3 18.2 1.7 311.7 312.7 0.3 19.5 10.9 105. 23.6 450.0 -23.0 -39.0 270.8 21.0 21.0 -0.3 314.3 315.2 0.3 21.4 12.5 103. 6386.2 66.5 25.2 70.1 6802.9 425.0 -25.9 -50.2 269.8 22.0 0.1 315.8 316.2 0.1 9.0 14.5 101. 22.0 317.4 317.5 16.6 100. 73.7 7239.6 -28.9 270.9 23.2 23.2 -0.4 0.0 1.6 26. 5 400.0 -65.1 77.7 7697.4 375.0 -32.9 270.7 -0.3 316:0 318.2 0.0 6.1 18.9 94. 28.4 -58.1 25.7 25.7 13.0 98. 30.0 81.5 8173.8 350.0 -37.0 -55.6 268.3 30.1 30-1 0.9 318.7 318.9 0.1 21.6 99.9 319.7 999.9 999.9 24.8 95. 31.7 **65.6** 8687.1 325.0 -41.3 99.9 261.8 31.9 31.5 4.5 99.9 999.9 33.7 90.0 9225-1 300.0 -46.1 99.9 255.1 33.1 31.9 8.5 320.5 999.9 28.4 94. 35.7 94. 5 9798.0 275.0 -51.0 99.9 256.0 33.5 32.5 8. 1 321.4 999.9 99.9 999.9 32.3 91. 37.9 99.6 19412.2 -55.0 99.9 25504 38.0 36.7 9.6 324.3 999.9 99.9 999.9 36<sub>0</sub> 8 87. 250.0 104.6 332.6 959.9 99.9 999.9 42.3 86. 11082.7 225.0 99.9 254.9 39.3 37.9 10.2 40.2 -56.1 11C. 4 -58.0 99.9 259.8 28.2 27.6 5.0 340.9 999.9 99.9 999.9 48.2 86. 42.9 11827.7 200.0 355.6 999.9 99.9 999.9 52. 7 45.8 116.3 12669.B 175.0 -57.2 99.9 258.4 31.0 30.4 6. 2 85. 49.0 123.0 -57.1 99.9 256.1 25.7 24.9 6.2 371.8 999.9 99.9 999.9 57.9 55. 13646.9 150.0 397.4 -53.9 24.0 999.9 99.9 999.9 63.2 52.9 130.5 14610.4 125.0 99.9 265.0 24.1 2. 1 85. -54.6 99.9 999.9 99.9 999.9 57.5 138.3 16242.8 100.0 248.4 18.3 17.0 6.8 422.3 69. 4 84. 300.1 -5.9 453.1 999.9 99.9 999.9 77.2 75.0 -57.1 99.9 11.7 10.1 84. 63.3 146.5 15083.4

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 654 HURON, S D

24 APRIL 1975 1720 GHT

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE		
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	9.1	392.0	965.8	10.0	6.7	150.0	4.1	-2.1	3.6	286.8	303.5	6.4	80.0	0.0	0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	. 999. 9	999.	
99.9	95.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999, 9	999.	
0.5	10.4	529.3	950.0	9.5	6.1	151.8	6.9	-3.2	6.3	287.6	303.9	6.2	79.7	0.2	324.	
1.3	12.5	750.5	925.0	8.3	5.2	154.1	7.5	-3.3	6.8	288.6	304.4	6.0	80.6	0.5	330.	
2.0	14.6	976.6	900.0	6.9	4.7	151.3	6.7	-3.2	5.9	289.4	305.3	6.0	86.0	0.8		
2.7	16.8	1208-1	875.0	5.4	.4.8	164.2	6.7	-1.8	6.5	290.2	306.6	6.2	95.0		332.	
3.6	19.2	1445.0	850.0	4.5	4.2	194.5	6.7	1.7	6.4	291.6	307.9	6.1	97.8		338.	
4.4	21.4	1688.5	825.0	3.8	3.5	218.9	7.3	. 4.6	5.7	293.4	309.5	6.0	98.1	1.7		
5.3	23.8	1938.5	800.0	2.9	2.6	226.6	.8.0	5.8	5.5	295.0	310.7	5.8	98.2	1.9		
6.1	26.1	2195.6	775.0	1.8	1.6	235.4	7.3	6.0	4.1	296.5	311.7	5 6	98.5	2.2	-	
7.0	28.6	2460.3	750.0	1.7	-4-1	217.0	9.6	5.8	7.7	298.9	309.6	3.8	66.3	. 2.5		
7.9	31.1	2733.9	725.0	1.4	-6.8	210.8	12.1	6.2	10.4	301.4	310.6	3.2	54.5	3. 1	16.	
9.0	33.7	3015.4	700.0	-1.0	-7.1	208.4	14.2	6.8	12.5	301.6	311.1	3. 2	63.1	3. 9		
9.9	36.1	3304.7	675.0	-3.3	-6.2	207.2	16.9	17.8	15.1	302.4	312.7	3.6	80.1	4.8		
11-1	38.9	3602.3	650.0	-5.2	-8.2	205.3	18.9	8 • 1	17. 1	303.4	312.6	3.2	79.3	6.0		
12.0	41.4	3909+5	625.0	-7.3	-11.5	206.7	19.9	8.9	17.8	304.4	311.9	2.6	72.3	7-1	22.	
13.0	44,3	4226.1	600.0	-10.0	-15.1	210.7	19.0	9.7	16.3	304.8	310.8	2.0	65.7	8. 2		
14.0	47.1	4553+1	575.0	-12.3	-18.5	214.2	18.8	10.5	15.5	305.7	310.5	1.5	59.7	9.5		
15.3	50.2	4691.3	550.0	-15.0	-19.2	216.7	19.9	11.9	15.9	306.5	311.2	1.5	69.9	10.8		
16.5	53.0	5241.8	525.0	-17.7	-21 • 4	217.9	20.1	12.4	15.9	307.2	311.3	1.3	72.9	12, 3		
17.9	55.9	5604.9	500.0	-20.6	-39.6	216.9	20.6	12.3	16.4	307.5	308.8	0.3	17.6	2600		
19.3	59.1	5982.2	475.0	-23.6	-38.8	214.2	20.9	11.7	17.3	308.7	309.7	0.3	23.1	13, 7		
20.9	62.5	6374+9	450.0	-27.1	99.9	215.9	20.8	12.2	16.9	309.2	999.9	99.9	999.9	1707		
22.3	65. 7	6765.0	425.0	-29.6	99.9	219.6	19-1	12.2	14.7	311.1	599.9	99.9	999.9	19. €		
23.6	69.1	7214.4	400.0	-32.8	99.9.	218.8	19.0	11.9	14.0	312.3	999.9	99.9	999.9	21.0		
25.4	72.6	7665.6	375.0	-36.1	99.9	223.5	20.3	14-1	14.7	313.€	599.9	99.9	999.9	22.9	_	
27.1	76.5	9140+5	350.0	-40.2	99.9	224.8	23.6	16.6	16.8	314.5	999.9	99.9	995.9	25. 2		
28.7	80.4	8641.7	325.0	-44.6	99.9	224.5	24.4	17+1	17.4	315.2	999.9	99.9	999.9	27.5		
30, 3	E4. 5	9172.3	300.0	-48.8	99.9	228.5	28.2	21.1	16.7	316.6	999.9	99.9	599 <b>.</b> 9	29.8		
32.1	88. 7	9739.0	275.0	-52.9	99.9	230.5	28.7	22.2	16.2	316.7	999.9	99.9	999.9	32. 9		
34.2	93.4	10349.7	250.0	-56.2	99.9	225.8	26.0	18.6	10.2	322.6	999.9	99 i 9	999.9	36.0		
36.3	9R. 2	11025.1	225.0	-53.1	99.9	242.5	27.8	24.6	12.6	337.2	999.9	99.9	999.9	39. 4		
38.7	103.4	11779.7	200.0	-55.0	99.9	249.5	19.9	18.6	7.0	345.7	999.9	99.9	999.9	42.5		
41.6	109-3	12633.9	175.0	-54.8	99.9	247.6	19.9	18.4	7.6	359.4	999.9	99.9	999.9	45. 6	-	
45.1	115, 4	13625.9	150.0	-53.1	99.9	254+8	21.7	21.0	5.7	378.6	999.9	99.9	999.9	50. 0		
49.2	122.3	14793.5	125.0	-54.7	99.9	251.5	19.4	18.4	6.1	395.9	999.9	99.9	999.9	53.9		
53.8	129.8	16226.3	100.0	-53.6	99.9	245.4	15.8	14.3	6.6	424.2	999.9	99.9	999.9	58.9		
99.9	95.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999•9		
99.9	99. 9	99.9	50.0	99.9	99.9	99.9	99+9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	.00.0	25.0	99.9	99.9	99.9	99.9	99.9	90.9	99.9	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655 ST CLOUD. MINN

24 APRIL 1975 1738 GMT

738 GMT	159 164 (	•

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DGC	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5.7	316.0	979.0	8.1	3.9	90.0	5-1	-5-1	0.0	283.6	297.1	5.2	75.0	0.0	0.
99.9	99.9	99.9	1000-9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.1	6.0	349.8	975.0	7.4	3.1	277.6	3.5	3.5	-0.5	283.3	296.0	4.9	73,8	0.4	275.
0.8	7.9	563.0	950.0	5.1	4.0	290.6	1.2	1.1	-0.4	283.0	297.0	5:4	92.8	0.4	275.
1.6	9.9	780.2	925.0	2.9	2.8	91.2	4.7	-4.7	0.1	282.9	296.1	5.1	98. 9	0.5	272.
2.2	11.8	1002.0	900.0	1.6	1.5	98.2	5.4	-5.3	0.8	263.7	296 - 1	4.7	99.4	0.7	273.
3.0	13.8	1229.9	875.0	3.0	-0.2	104.2	4.4	-4.3	1.1	287.4	298.9	4.3	79.6	1.0	275.
3.8	15.8	1464.8	850.0	2.8	-2.2	111.9	5.0	-4.6	1.9	289.5	299.9	3.8	69.7	1.2	277.
4.9	17.9	1706.2	825.0	1.9	-2.7	178.9	4.3	-0.1	4.3	291.1	301.5	3.8	71.6	1.4	
5.7	20.1	1954.4	800.0	1.0	-5.0	189.5	2.5	0.5	2.8	292.6	301.9	3 <sub>0</sub> 3	65.6	1.4	293.
6.7	22.1	2210.6	775.0	3.1	-22.8	256.1	2.5	2.4	0.6	297.3	299.7	0.8	12.7	1. 4	
7.8	24.4	2475.7	750.0	1.8	-21.3	267•8	3.7	3.7	0.1	298.7	301.6	0.9	16.0	1.2	
8.8	26.5	2748.1	725.0	0.2	-18.7	271.7	6.1	6.1	-0.2	299.9	303.7	1.3	23.6	1.0	
9.8	28.9	3028-1	700.9	-2.2	-9-4	265.4	7.5	7.5	0.6	300.4	308 • 2	2.7	57.6	0.7	
10.5	31.4	3315.6	675.0	-5.2	-10.2	262.1	9.0	8.9	1.2	300.2	307.8	2.6	68.2	9.5	9.
11.9	33.9	3611.3	650.0	-6.6	-15.6	273.9	8.6	8.6	-0.6	301.7	306.9	1.8	48.8	1.1	46.
13.0	36.2	3917.0	625.0	-8.1	-33.9	283.0	6.8	6.6	-1.5	303.2	304.4	0.4	10.9	1.5	62.
14.2	38. 9	4232.9	600.0	-9.6	-36.3	284.9	7.0	6.8	-1.8	304.7	305.7	0.3	9.4	1.8	73.
15.4	41.3	4559.5	575.0	-12.7	-31.9	279.3	8.4	8.3	-1.4	305.1	306.6	0.5	18.1	2. 3	79.
16.7	44.1	4897.2	550.0	-14.7	-33.0	274.4	9.7	9.6	-C.7	306.7	308.1	0.4	19.2	3.0	83.
18.0	47.0	5247.2	525.0	-17.9	-32.9	285.2	10.3	9.9	-2.7	307.0	308.5	0.5	25.4	3.8	86.
19.2	49.9	5610.7	50 0 • 0	-20.2	-39-1	282.0	12.9	12.6	-2.7	306.4	309.3	0.3	16.6	4.5	90.
20.6	52-8	5989.3	475.0	-22.4	-43.8	272.1	13.1	13.1	-0.5	310.2	310.8	0.2	12.2	5.7	91.
22.2	55.8	6383.7	450.0	-25.8	-46.0	261.4	11.e	11.7	1.8	310.8	311.3	0.1	12.8	6.8	91.
23.7	59.0	6794+5	425.0	-29.4	-49.6	255.3	10.1	9.7	2.6	311.3	311.7	0.1	11.9	7. 8	89.
25.4	62.4	7224.6	400.0	-33.3	-48.6	252.4	10.0	9.6	3.0	311.7	312.1	0.1	19.6	8.5	67.
27.0	65.9	7674.2	375.0	-37.3	-49.0	260.6	14.0	13.8	2.3	312.2	312.6	0.1	27. B	9.9	86.
28.8	69.4	8148.5	350.0	-40-1	99.9	263.5	21.6	21.4	2.4	314.7	999.9	99.9	999.9	11.8	86.
30.7	73.0	8649.3	325.0	-44.2	99.9	263.8	25.0	24.8	2.7	315.7	999.9	99.9	999.9	14.5	85.
32.5	77.2	9181.1	300.0	-48.5	99.9	258.5	28.0	27.4	5.6	317.0	999.9	99.9	999.9	17.2	84.
34.5	81.3	9748+6	275.0	-52.7	59.9	252.9	29.6	28.3	8.7	318.9	999.9	99.9	999.9	20.8	83.
36.6	<b>65.9</b>	10357.6	250.0	-57.1	59.9	248.5	33.2	30.9	12.2	321.2	999.9	99.9	999.9	24.6	81.
38.7	90.8	11021.2	225.0	-58.2	99•9	252.5	31.9	30.4	9.6	329.3	999.9	99.9	999.9	. 28. 9	79.
41-1	96. C	11762.3	200.0	-59.6	99.9	259.4	23.4	23.0	4.3	338.5	999.9	99.9	999.9	32.6	79.
43.8	101.8	12608.3	175.0	-55+2	99+9	256.5	26.5	25.8	6.2	358.8	999.9	99.9	999.9	37.3	79.
46.5	106.3	13586.9	150.0	-56.2	59.9	255.0	25.4	24.6	6.6	373.3	999.9	99.9	999.9	40.9	78.
49.8	115.5	14752.4	125.0	-55.6	99.9	251.5	20.1	19.0	6. 4	394.4	999.9	99,9	999.9	45. 3	78.
54.0	124.3	16183.4	100.0	-54.4	99.9	253.2	13.2	12.6	3.8	422.7	999.9	99.9	999.9	49.8	77.
59.6	135.0	18045.7	75.0	-52.6	99.9	245.5	18.5	16.8	7.7	462.6	999.9	99.9	999.9	54. 5	76.
66 • 4	145.5	29638.6	50.0	-54.8	99.9	241.6	4.3	3.6	2.1	514.3	999.9	99.9	999.9	57.8	76.
78.3	158.5	25125.8	25.0	-51.2	99•9	332.5	6•2	2.9	-5.5	637.6	999.9	99.9	999.9	59.4	77.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEWF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662 RAPID CITY. S.D.

24 APRIL 1735

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735 GMT		150	28.	4)	

TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMF	POT T	E POT T	MX RTO	RН	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	15.5	966.0	901.8	13.9	4.2	310.0	15.4	11.8	-9.9	296.4	312.2	5.8	52.0	0.0	. 0.	
99.9	99.9	99.9	1000.0	99+9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99•9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99•9	999.9	999. 9		
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99•9	99.9	99.9	99.9	999.9	99•9	999.9	999.9		
0.1	15.7	982.8	900.0	. 12.9	3.2	318.2	16.9	11.2	-12.6	295.5	310.2	5.4	51.8		42.	
0.9	18. 1	1217.2	875.0	9.0	1.2	326.6	20.1	11.1	-16.8	293.8	306.8	40.6	57.9		142.	
1.8	20.6	1456.7	850.0	6.8	1.2	325.4	20.2	11.5	-16.6	293.9	307.3	4.9	67.4		143.	
2.5	23.1	1701.3	825.0	4.5	0.2	327.8	18.4	9∙8	-15.6	294.0	306.9	4.7	73.3		144.	
3.3	25.7	1951-4	800.0	2.6	-0.9	324.1	22.0	12.9	-17.5	294.5	306.8	4+5	77.4		145.	
4.1	28.2	2207.4	775.0	0.6	-1.0	320.0	19.8	12.7	-15.2	295.0	307 • 1	. 4.4	85.4		144.	
4.8	31.0	2469.9	750.0	-2.0	-2.9	314.7	18.2	12.9	-12.8	294.9	306.4	, 4 • 1	93.8		143.	
5.7	33.9	2740+0	725.0	-2.2	-7.0	313.1	20.0	14.6	-13.6	297.4	306.3	3.1	69.5		142.	
6.4	36.4	3018.4	700.0	-3.2	-8.0	313.4	18.3	13.3	-12.5	299.3	307.9	3.0.	69.5		141.	
7.1	39.4	3305.9	675.0	-4.2	-12.9	310.5	17.0	12.9	-11.0	301.2	307.5	2• 1	50.6		140.	
7.9	42.1	3602.5	650.0	-5.9	-15.3	301.2	16.0	13.6	8.3	302.4	307.8	1.8	47.3		139.	
8.7	45.1	3908.4	625.0	-8.5	-17.7	286.9	14.8	14.0	-4.8	302.9	307.5	1.5	47.3		137.	
9.6	46.3	4223.7	600.0	-10.9	-18.9	284.7	16.7	16.2	-4.2	303.7	308.1	1.4	51.7		135,	
10.3	51.2	4549.5	575.0	-12.8	-22.7	200.3	17.9	17.0	~5.5	305.1	308.4	1.1	43.1		133.	
11.2	54.4	4887.1	550.0	-15.5	-24.5	292.6	18.8	17.4	-7.3	305• 8	308.8	0.9	45.6		131.	
12.0	57.4	5236.7	525.0	-18.0	-28.0	298.3	20.5	18.1	-9.7	306.9	309.2	0.7	41.1		130.	
13.0	6C+9	5600.2	500.0	-20.1	-36.7	301.7	21.4	18.2	-11.3	308.5	309.6	0.3	21.1		127.	
13.9	64.4	5977.7	475.0	-23.8	-42.0	302.4	23.1	19.5	-12.4	308.5	309.1	0.2	16.7	-	129.	
14.8	67.7	6370.0	450.0	-27.1	-40.2	304.3	22.5	18.6	-12.7	309.2	310.0	0.3	27.3		128.	
15.9	71.1	6779.5	425.0	-30.3	-43.8	303.3	21.7	14.2	-11.9	310.1	310.7	0 • 2	25.2		128.	
17.0	75.0	7207.2	400.0	-34.1	-46.7	299.9	22.1	19.1	-11.0	310.6	31.1 • 1	0.1	26.4		127.	
16.1	78.9	7654.9	375.0	-38.2	-49.3	301.7	20.5	17.4	-10.8	310.9	311.3	0.1	29.8		127.	
19.3	€2.5	8125.1	350.0	-42.6	99.9	308.6	21.7	17.0	-13.5	311.3	599.9	99.9	999.9		127.	
20.5	26.8	8622.8	325.0	-45.7	99.9	307.5	23.1	18.4	-14.1	313.6	999.9	99• 9	999.9		127.	
21.8	91.3	9153.4	300.0	-47.6	99.9	307.3	24.5	19.5	-14.8	318.3	999.9	99.9	999.9		127.	
23.1	95. B	9724.7	275.0	-50.4	99.9	310.8	22.6	17-1	-14.7	322.2	999.9	99.9	999.9		127.	
24.5	100.6	10343.1	250.0	-53.1	99.9	302.4	19.0	16.1	-10.2	327.2	999.9	99.9	<b>9</b> 99.9	<b>29.</b> 5		
25.9	105.6	11016.7	225.0	-57.4	99.9	284.0	23.4	22.7	-5.7	330.6	999.9	99.9.	999.9		126.	
27.5	111.0	11765.9	200.0	-54.7	99.9	271.7	25.6	25.6	-0.8	346.2	999.9	99.9	99.9.9		124.	
29.4	116.8	12626.5	175.0	-51.9	99.9	261.4	17.9	17.7	2.7	364.3	999.9	99.9	<b>9</b> 99 <b>.9</b>		122.	
31.5	123.3	13616.4	150-0	-55.4	99.9	252.2	20.0	19-1	6.1	374.6	999.9	99.9	999.9		119.	
33.9	120.5	14773.3	125.0	-56.8	99.9	265.1	22.2	22.1	1.9	392-1	999.9	99.9	999.9		116.	
36.8	138.0	16204.9	100.0	-52-1	99.9	259.9	9.2	9.0	1.6	427.2	999.9	99.9	999.9		114.	
40.4	146.0	18049-8	75.0	-50.0	99.9	233.1	13.0	10.4	7. 8	468.2	999.9	99.9	999.9		111.	
45.7	155.0	20670.0	50.0	-51.9	99.9	236.7	2.9	2.4	1.6	521.2	999.9	99 <u>.</u> 9	999.9		110.	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	<del>3</del> 99•	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 11001 MARSHALL SPACE FLIGHT CENTER

24 APRIL 1975

								1725 G	MŢ					10	57 15	• .0	
	TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE		
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	5.9	180.0	997.1	23.5	18.4	100.0	3.6	0.0	3.6	298.7	334.3	13.5	; 73 <b>.</b> 0	0.0		
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	97.9	99.9	99.9	999.9	99.9	999.9	999. 3	999.	
	0.7	7.7	375.4	975.0	21.1	17.7	203.1	12.0	4.7	11.0	298.2	333.0	13.2	80.9	0. 4	18¢	
	1.5	10.0	600.4	950.0	19.4	18.1	209.9	13.0	6.5	11.3	298.7	335.3	13.9	92.2	1.0		
	2.4	12.1	829.4	925.0	16.4	16.0	214.0	13.8	7.7	11.4	297.5	330 • 8	12.5	97.5	1.7		
	3.5	14.4	1063.2	900.0	15.1	14.6	224.2	16.5	11.5	11.9	298.7	329.8	11.7	96.8	2.6		
	4.4	16.5	1302.2	875.0	14.0	13.2	234.0	21.6	17.4	12.7	299.8	329.2	11.0	94.7	3, 7		
	5. 3	18.9	1547-1	850.0	13.5	10.5	242.9	20.2	18.0	9.2	301.5	327.2	9. 5	.82.4	4.8	41.	
	6+4	21.2	1799.0	825.0	13.3	6.5	251.8	16.7	15.8	5.2	303.7	324.2	7.4	63.1	5. B	47.	
	7.4	23.6	2057.6	800.0	11.4	5.8	254.9	15.7	15.1	4.1	304.2	324.5	7.3	68.5	6.7	51.	
	8.5	25.9	2322.4	775.0	9.8	3.6	259.9	16.7	16.4	2.9	305.2	323.3	6.4	65.5	7. 6		
	9.5	28.4	2594.1	750.0	7.4	3 • 2	262•1	17-1	17.0	2.3	305.4	322.4	6.0	69.5	8.6	57.	
	10.5	21e1	2872.5	725.0	5.2	0.6	259.7	19.3	18.9	3.5	305.9	321 • 6	5 • 5	72.2	9. 6		
	11.6	33.7	3150.5	70C. O	3.0	0.9	256.5	20.3	19.7	4.7	306.5	323.2	5.8	96.0	10.8		
	12.5	36.3	3453.3	675.0	4.0	-21.5	253.6	25.1	24.1	7.1	310.3	314.2	1 • 3	16.9	12.3		
÷	13.9	39.0	3759.6	650.0	3.4	-47.8	251.3	27•3	25.9	8.7	312.6	313.1	0.1	1.0	14.2		
	15.1	41.6	4076.3	625.0	0.6	-14.9	251.5	27.7	26.2	8.8	313.4	319.4	1.9	30.2	16.2		
	16.3	44.5	4402.2	600.0	-2.5	-21.7	254.7	25.7	24.8	€. 8	313.4	317.1	1.1	21.4	18.1	66.	
	17.5	47.5	4738.3	575.0	+4.5	-41.4	254.2	26.0	25.0	7.1	314.7	315 <b>-</b> 5	0.2	5.0	19.8	67.	
	18.6	50.6	5086.6	550.0	-7.3	-29:4	255.9	26.0	25.2	6.3	315.4	317.5	0.6	15.2	21.6		
	19.8	53.6	5446.5	525.0	-10.6	-25.3	258.9	26.3	25.8	5.1	315.5	318.5	0.9	29.1	23, 3		
	21.1	56.7	5819.3	500.0	-13.7	-48.2	262.4	30.1	29.8	4.0	316.3	317.4	0.3	11.7	25. 5		
	22.3	6C.0	6208-1	475.0	-15.3	-59.6	266.6	30.8	30.7	1.8	319.0	319.1	0.0	1.0	27.7		
	23.7	€3.4	6614.2	450.0	-17.9	-61.3	268.8	27.3	27.3	0.6	320.7	320.8	0.0	1.0	30.1	72.	
	25.2	66.9	7039.2	425.0	-20.8	-63.2	272.4	25.0	25.0	-1-1	322.2	322.3	0.0	1.0	32. 4	73.	
	26.8	70.5	7484.3	400.0	-24.4	-65.5	272.1	27.1	27.1	-1.0	323.2	323.2	0.0	1.0	34.8		
	28.5	74.3	795C.5	37.5.0	-28.5	-68.2	266.9	25.1	25.0	1.4	323.9	323.9	0.0	1.0	37. 2	76.	
	30.2	78.5	8441.7	350.0	-31.8	-70.4	268.1	26.4	26.4	0.9	325.7	325.5	0.0	1.0	39. 9		
	31.9	82.6	8960.5	325.0	-36.5	-73.4	270.0	23.5	23.5	0.0	326.3	326.3	0.0	1.0	42.1	77.	
	23.3	86.9	9509.9	300.0	-41-2	99.9	268.9	29.4	29.4	0.6	327.4	999.9	99.9	999.9	44. 6		
	35.1	91.8	10094.6	275.0	-4. 2	99.9	276•5	27.4	27.2	-3.1	328.3	999.9	99.9	999.9	47. 6		
	36.9	96.6	10721.4	250.0	-51.2	99.9	283.6	24.5	23.8	÷5. 8	330.0	999.9	99•9	999.9	50. 3		
	39. 1	102.0	11399.3	225.0	-55.7	99.9	287.2	24.2	23.1	-7.2	333.2	999.9	99.9	999.9	52. 9		
	41.4	106.0	12140.5	200.0	-59.9	99.9	278.7	22.6	22.4	-3.4	337.9	999.9	99.9	999.9	56.0		
	44.0	114.3	12967.0	175.0	-62.5	99,9	263.4	28.9	28.7	3. 3	346.9	999.9	99.9	999.9	59. 8		
	47.0	121.3	13923.9	150.0	-60.0	99. 9	266.6	32.7	32.7	1.9	366.7	999.9	99.9	999•9	65.7		
	50.3	129.0	15061.9	125.0	-60.3	99.9	269.4	26.6	26.6	0. 3	365.9	999.9	99. 9	999.9	7,1 ÷ 1	84.	
	54.4	137.3	16431-1	100.0	-65.2	99.9	275.1	22.5	22.4	-2.0	401.9	999.9	99.9	999•9	77.4	84.	
	59.5	146.3	18161.1	75.0	-67.3	99.9	234.9	6 <b>.</b> B	5.6	3.9	431.8	999.9	99.9	999.9	82. 1	85.	
	66.5	156.3	20661-6	50.0	-59.3	99.9	105.4	2.8	-2.7	0.7	503.€	999.9	99. 9	999.9	82.8		
	77.4	167-0	25089.5	25.0	+50×8	99.9	66.7	5.6	-5.1	-2.2	638.7	999.9	90.9	999.0	83. 2	86	

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 22002 FT. SILL. OKLA

24 APRIL 1975 1850 GMT

98 208. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	. GM/KG	PCT	KM	DG	
0.0	8.7	362.0	966.6	28.0	15.6	190.0	4.1	0.7	4.0	305.7	237.6	11.7	47.0	0.0	0.	
99.9	99.9	99.9	1000-C	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	979.	
0.5	10.1	515.3	950+0	25.2	15.4	206.5	6.5	2.9	5.8	304.4	336.1	11.7	54.3	0.2	5.	
1.2	12-1	749.2	925.0	23.1	13.6	20€.6	6.9	3.1	6.2	304.4	333.5	10.7	55.1	0.5	17.	
2.2	14.4	987.7	900.0	21.2	13-1	212.4	7.4	4.0	6.3	304.8	333.8	10.6	60.1	1.6	21.	
3.2	16.5	1231.2	875.0	18.8	11.9	216.9	8.5	5.4	6.6	304.6	332.4	10.1	64.4	1.4		
4.3	1.8 8	1479.7	850.0	18.9	-2.3	244.3	7.4	6.7	3.2	300.5	318.4	4.1	26.2	1.9		
5.4	20.9	1735.7	825.0	18.5	-4+8	247.6	10,5	9.7	4.0	308.6	318.3	3.2	20.0	2.3		
6.3	23.3	1998.4	800.0	16.9	-6-1	242.3	13.0	11.5	6.0	309.5	318.6	3.0	20.1	3. 3		
7.4	25.7	2267.7	775.0	14.7	-7.5	233.3	13.5	10.8	8.0	310.0	318.4	2.8	20.9	3.9		
5.4	26. 1	2543.4	750.0	12.5	-9.0	237.9	14.6	12.3	7.7	310.4	319.2	2.6	21.3	4.7	50.	
9.5	30.7	2826+3	725.0	10+1	-10.9	243.7	14.6	13.1	6.5	310.8	317.9	2.3	21.4	5.7	52.	
10.7	33.3	3116.8	700.0	8.1	-12.6	238.5	15.3	13-1	8. 0	311.7	318.2	2.1	21.5	6.7		
11.9	35. 8	3415.4	675.0	5 • 3	-13.4	232.8	15.8	12.6	9.5	311.8	318.1	2.0	24.3	7.8	54.	
13.1	38.5	3722.0	650.0	2.3	-7.1	230.4	17.0	- 13-1	10.9	312.0	322.6	3.5	51.1	9.0		
14.3	41.1	4037.8	625.0	-0.3	-3.2	230.5	18.4	14.2	11.7	312.8	327.2	4.9	80.9	10.3		٠
15.5	44.0	4363.2	600.0	-2.6	-16.6	232.7	19.3	15.3	11.7	313.4	318.8	1.7	33.0	11.6		
16.8	47.0	4699.1	575.0	~5.2	-19.3	226.7	20.7	15.6	13.7	314.1	318.7	1.4	32.0	13.1		
16-1	50+1	5046.7	550.0	-8.0	-22.0	230.2	22.4	17.2	14.3	314.7	318.6	1.2	31.3	14.8		
19.4	53.0	5406.1	525.0	-11.1	-24.5	235.3	24.1	19.8	13.7	315.2	318.4	1.0	32.0	16.6		
20.7	56+1	5778.9	500.0	-13.7	-30.6	245.4	26.2	23.8	10.9	316.4	316.4	0.6	22.4	18.7		
22.1	5.5.4	6167.6	475.0	-15.9	-33.6	245.9	29•3	26.7	11.9	318.2	319.9	0.5	20.1	20.9		
23.5	62.9	6573.3	450.0	-18.2	-35.5	243.7	28.6	25.7	12.7	320.3	321.8	0.4	20.3	23. 3		
25.0	66.4	6997.3	425.0	-21.7	-37.3	242-1	27.5	2403	12.9	321.2	322.5	0.4	22.7	26.0		
26.5	70.1	7440.3	400.0	-25.8	-39.9	241.1	28.9	25.3	14.0	321.4	322.5	0.3	24.9	28. 3		
25.0	73.8	7904.5	375.0	-29.7	-43.3	241.2	29.8	26-1	14.3	322.3	323.1	0.2	25.1	31.1	57.	
29.5	77.8	8392.6	350.0	-33.4	-46.0	242.3	31.0	2764	14.4	323.7	324.3	0.5	26.7	33. 6		
31.2	82.0	8908.3	325.0	-37.9	-49.9	243.6	33.2	29.7	14.7	324.4	324.9	0.1	26.8	36.8		
32.9	86.2	9454.5	300.0	-42.3	99.9	251.0	34 • 1	32.2	11-1	325.7	999.9	99.9	999.9	49.3		
34.7	91.0	10036.9	275.0	-46.B	99.9	258.0	34.3	33.5	7.1	327.5	999.9	99.9	899+9	43.7		
36.7	96.0	10663.1	250.0	-51.0	59.9	261.0	31.9	31.5	5.0	330.3	999.9	99•9	999.9	48.0		
38.7	101.0	11340.6	225.0	-56.1	99.9	999.9	99.9	99.9	99.9	332.6	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	. 99.9	99.9	99.9	599.9	99.9	999.9	999. 9		
99.9.	99.9	55.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999. 9		
99.9	99. 9	99.9	150.0	99.9	99.9	99.9	99.9	99.9	96. 8	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999.9		
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	55.9	99.9	999.9	99.9	999.9	999. 9		
99.9	59.9	50.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	_	
99.9	99.9	59.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	

<sup>.</sup> EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

24 April 1975

2100 GMT

259 - 299

## STATION NO. 208 CHARLESTON. SC

24 APRIL 1975 2100 GMT

			•				2100 G	MT .					1	56 21 <b>.</b>	. 0	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.4	13.0	1019.0	24.4	16.6	200.0	7.2	2.5	6.8	297.6	328.7	11.8	62.0	0.0	0.	
.0.6	6.0	177-3	1000.0	21.8	14.1	212.1	9.6	5.1	8, 1	296.3	323.2	10.2	61.5	9.4	27.	
1.6	6.2	396.7	975.0	20.2	14.3	209.3	11.7	5•7	10.2	297.0	325.0	10.6	68.8	1.1	29.	
2.4	10.5	620.4	950.0	1707	13.8	215-9	11.5	6.7	9.3	296.6	324.4	10.6	78+2	1.6	30.	
3.2	12.6	848.2	925.0	15.7	13.7	220.7	10.5	6.9	e. 0	256.8	325.2	10.7	. 88. O	2.2	32.	
4,2	15.1	1080.7	900.0	14-4	11.6	228.6	10.6	8.0	7.0	297.6	323.2	9.€	83.6	2.8	35.	
5.0	17.2	1319.0	875.0	14.2	3.1	225.4	9.4	6.7	6.6	299•3	314.6	5 <b>•</b> 5	47.2	3. 2	37.	
6.1	19.7	1563.5	850.0	13.0	3.5	214.2	8.6	4.8	7.1	360.5	316.7	5.8	52.6	3.8	37.	
7.0	22.0	1813.9	825.0	12.2	-6.0	215.7	9.5	5.6	7.7	301.9	310.5	3.0	27.4	4 <b>.</b> 3	37.	
8.0	24.6	2071.5	800.0	12.0	-12.7	231.5	9.3	7.3	5.8	304.2	310.0	1.9	17.5	4.8	38.	
9.0	26.9	2336.4	775.0	10.7	-2.0	243.2	9.6	8.6	4.3	305.9	318.3	4.3	41.0	5.4	40.	
10.1	29.6	2609.6	750.0	9.B	-2.1	262.0	10.0	9.9	1.4	307.8	320.6	4.4	43.3	5. 9	43.	
11.2	32.3	2890.5	725.0	8.1	-19	276.7	11.2	11.1	-1.3	308.9	322.3	4.6	47.2	6.4	48.	
12.3	35. 1	3179.2	700.0	5.9	-2.2	279.9	12.6	12.4	-2.2	309.6	323.2	4.7	55.8	6. 9	53.	
13.5	37.7	3476.5	675.0	4.5	-3.8	283.9	12.0	11.6	-2.9	311.2	324.0	4.3	55.1	7.6	58.	
14.6	40.5	3783.5	650.0	3.0	-7.1	296.0	14-1	12.6	-6.2	312.8	323.3	3.5	47.5	8. 1	62.	
15.9	43, 3	4099.9	625.0	0.5	-9.3	301.0	16.4	14.0	-8.4	313.4	322.7	3.0	47.5	8.6	59.	
17.0	46.4	4426.4	600.0	-1.9/	~9·7	295.6	14.8	13.4	-6.4	314.3	323.6	3.1	55.1	9.6	74.	
18.3	45.5	4763.7	575.0	-4-2	-8•7	286.5	14.2	13.6	-4.0	315.5	326.0	3. 4	70.6	10.4	76.	
19.5	52.4	5112.9	550.0	-6.2	-13,5	266.0	14.2	13.6	-3.9	317.0	324.7	2.5	56.7	11.4	<b>30</b> •	
20.8	55.7	5475.4	525.0	-6.9	-19.3	294.7	14.8	13.4	-c. 2	317.9	323.0	1.6	42.4	12.3	83 <sub>0</sub>	
22-1	59.0	5851.0	500.0	-12.0	-21.2	305.1	15.0	12.3	-8.6	318.6	323.2	1.4	45.8	13.3	86.	
23.4	62.4	6242.0	475.0	-14-6	-24.3	305.7	14.2	11.5	-6.3	320.0	323.7	1.1	43.3	14.2	89.	
24.8	65.9	6649.5	450.0	∂ <b>-17.0</b>	-43.5	300.8	12.6	9.8	-7.9	321.8	322.6	0.2	9.5	15.1	45.	
26.4	69.6	7075.6	425.0	-20.3	-44.0	309.5	15.1	11.6	-9.6	322.8	323.5	0.2	10.0	16.1	94.	
26.0	73.2	7521.5	400.0	-24.0	-41.5	306.0	17.3	14.0	-10.2	323.7	324.6	0.3	18.4	17.4	97.	
29.7	77.2	7989.1	375.0	-27.8	-48.6	303.1	14.3	12.0	-7.8	324.7	325.2	0.1	11.6	18.8	99.	
31.5	81.2	8481.3	350.0	-31.1	-51.0	300.9	13.9	11.9	-7.1	326.B	327.1	0.1	11.9	20.2		
33.4	85.4	9001.9	325.0	-35.7	-54.5	299.5	15.5	13.5	<b>-7.</b> 7	327.4	327.7	0.1	12.4	21.9		
35.5	E9. B	9553.3	300.0	-40.1	99.9	300.1	14.6	12.6	-7.3	328.9	999.9	99.9	999.9	. 23. 6		
37.5	94.8	10140.0	275.0	-45.6	99.9	292.4	16.4	15.2	-6·3	329.3	99,9•9	99.9	999.9	25. 7		
40.2	99. 6	10767.9	25C.O	-51.0	99.9	295.5	16.3	14.7	-7.0	330.3	999.9	99.9	999•9	28.2		
43-1	104.€	11444.5	225.0	<b>-56.0</b>	99.9	289.2	17.6	16.6	-5.8	332.6	999.9	99.9	99909	31.0		
46.1	110.4	12168.0	200.0	-59.3	99.9	280.8	22.4	22.0	-4.2	338.9	999.9	99.9	999.9	34.6		
49.5	116.5	13021.3	175.0	-59.9	99.9	260.3	29.7	29.2	-E. 3	351.0	999.9	99.5	99 9• 9	39.5		
53.2	123.3	13989.3	150.0	-59.2	99.9	289.3	25-1	23.7	-8.3	366.1	999.9	99.9	999.9	45. 9		
57.7	130.5	15125.0	125.0	-62.6	99.9	284.5	21.3	20.6	-5. 3	381.7	999.9	99.9	999.9	52.8		
63.0	138.6	16480.9	100.0	-68.9	99.9	268-1	16.8	16.8	0.6	394.6	999.9	99.9	999.9	59.0	106.	
69.6	147.3	18209.1	75.0	-68.2	99.9	319.0	6.7	4.4	-5.0	430.0	999.9	99.9	999.9	64.9		
79.1	157.0	20703.8	50.0	-59.5	99.9	329.6	4.7	2.4	-4.0	503.3	999.9	99.9	999.9	67.1	196.	

-51.3

25.0

94.3 167.5 25138.5

2.3

999.9

69-1 108-

<sup>\*</sup> EV SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. TAMPA. FLA

24 APRIL 1975 2030 GMT

	I ME	CNTCT	⊦E1GHT GFM	PRES MB	TEMP DG C	DEW PT	DIR DG	SPEED M/SEC	U COMP M/SEC	V CCMF M/SEC	PCT T DG K	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	A Z DG
		4.3	a . i	1010.0	21.4		150.0			0.0	304 - 2	220 - 1	9.4	77.0	0.0	٥.
	0.0	4.2	8.0 175.3	1019.0	31.4 27.3	13.2 9.4	150.0 72.5	1.0 1.8	-0.5 -1.7	0+9 -0+5	304.2 301.5	330•1 322•0	7.4	33.0 32.5	0.0	0. 323.
	1.9	7.9	398.6	975.0	26.0	8.6	133.6	4.4	-3.2	3.1	302.3	322.2	7.2	33.3	0.3	
	2.9	10.1	626.4	950.0	23.8	8.2	117.3	4.7	-4.2	2.2	302.4	322.4	7.2	36.9	0.6	
	3.9	12.3	858.6	925.0	21.5	8.3	127.7	5.3	-4.2	3. 2	302.3	322.8	7.4	42.7		305.
	5.0	14.6	1095.3	900.0	19.4	8.7	127.7	5.8	-4.6	3.5	302.6	324.2	7.9	49.9		307.
	6.2	16.8	1336.7	875.0	16.7	8.0	113.4	5.7	-5.2	2.3	302.2	323.5	7.7	56.1	1.7	
	7.3	19.3	1583.0	850.0	14.4	6.7	97.1	5.7	-5.6	0.7	302.2	322.3	7.3	59.7	2.0	
*	8.5	21.5	1834.7	825.0	12.4	5. 2	83.8	5.4	-5.4	-0.6	302.6	321.3	6.7	61.3	2.4	296.
	9.4	24.1	2092-1	800.0	10.2	3.8	102.9	4.9	-4.8	1.1	302.9	320.5	6.3	64.1	2.6	294.
	10.6	26.4	2355.4	775.0	8.1	-1.4	107.7	5.0	-4.8	1.5	303.1	315.9	4.5	51.0	3.0	294.
	11.6	29.1	2625.9	750.0	8.3	-22.2	93.1	. 3.9	-3.9	0.2	305.7	308 . 4	0.9	9.4	3.3	293.
	12.6	31.e	2904.9	725.0	7.6	-23.4	44.5	2.4	-1.7	-1.7	307.9	310.5	0.8	8.8	3.4	291.
	13.7	34.6	3194.1	700.0	8.2	-15.4	0.5	4.5	0.0	-4.5	311.7	317.0	1.7	17.4	3.4	288.
	15.0	37.1	3493.0	675.0	6.0	-11.3	355.4	6.4	0.5	- ō. 4	312.7	320.1	2.4	27.5		280.
	16.2	40. C	3801.2	650.0	4.4	-13,1	345.6	5.6	1.4	-5.5	314.2	320.9	2.1	26.6	3. 1	
	17.3	42.6	4119.3	625.0	1.9	-8.5	343.7	7.6	2.1	-7.3	315.0	324.8	3. 2	46.1		265.
	18.5	45.6	4447.1	600.0	-9.7	-8.3	353.2	9.8	1.2	-9.8	315.7	326.1	3. 4	56.2		253.
	19.9	48.8	4786.4	575.0	-2.1	-12.8	349+6	10.1	1.6	-10.0	317.6	325.7	2.5	43.9		239.
	21.2	51.6	5139.2	550.0	-3.3	-17.3	327.3	7.7	4.2	-6.5	320.4	326.2	1.8	32.7		226.
	22.7	54.9	5505.6	525.0	-5.7	-16.8	310.2	8.2	. 6•2	-5.3	321.6	326.1	2.0	41.0		216.
	24.2	56.0	5886.3	500.0	-8.7.	-18.3	298.7	9.9	8.7	-4.7	322.6	328.5	1.5	45.4		204.
	25.7	61.4	6261.9	475.0	-11.7	-22.6	257.6	10.1	9.0	-4.7	323.7	328.0	1.3	39.6		189.
	27.1	65.0	6693.5	450.0	-15.1	-24.0	310.8	10.1	7.6	-6.6	324.4	328.5	1.2	46.3		179.
	28.7	68.4	7123.0	425.0	-18.4	-27.2	315.4	10.7	7.5	-7.6	325.5	328.7	1.0	45,5		171.
	30.6	72.1	7573.3	400.0	-20.9	-34.0	305.3	12.3	10.0	-7-1	327.8	329.7	0.5	29.5		163.
	32.4	76.1	8047.0	375.0	-24.3	-37.3	299.8	13.7	11.9	-6.8	329.4	330.9	0.4	20.8		156.
	34.2	1.08	8545.3	350.0	-29.0	-40.5	298.4	13.7	12.0	-6.5	329.6	330.8	0.3	31.5		150.
	36.2 38.3	84.3 66.6	9071.3 9631.2	325.0 300.0	-32.5	-46.8	286.6 288.9	16.8 20.3	16.1 19.2	-4.8	331.6 333.5	332.5 333.9	0.2	22.2 20.0		144.
		93.4	10226.5	275.0	-36.7 -42.2	-51.4 99.9	290.8	20.4	19.2	-6.6 -7.2	334.2	999.9	99.9	999.9	14.2	
	40.4 42.8	98.3	10864.0	250.0	-46.3	99.9	297.9	26.9	23.8	-12.6	337.3	999.9	99.9	999.9	17.5	
	45. 3	103.5	1155462	225.0	-52.6	99.9	296.8	29.8	26.6	-13.4	337.9	999.9	99.9	999.9	21.8	
	48.1	105.5	12303.0	200.0	-59.4	99.9	293.6	30.8	28.2	-12-3	338.8	999.9	99.9	999.9	26.6	
	51.1	115.5	13127.6	175.0	-63.8	99.9	284.4	29.1	28.2	-7.2	344.6	999.9	99.9	999.9	31.7	
	54.6	122.3	14087.8	150.0	-60.5	99.9	293.9	21.7	19.9	-8.8	365.9	999.9	99.9	999.9	37.2	
	58.7	130.0	15210.6	125.0	-64.7	99.9	270.7	20.3	20.3	-0.3	377.8	999.9	99.9	999.9	41.8	
	63.4	130.0	16558.0	100.0	-70.3	99.9	285.3	14.2	13.7	+3.6	391.9	999.9	99.9	999.9	46.9	
	68.9	146.0	15247-1	75.0	-71.2	99.9	350.1	6.5	1.1	-6.4	423.6	999.9	99.9	999.9	50.8	
	77.0	155.3	20703.7	50.0	-59.9	99.9	56.3	1.6	-1.3	-0.9	502.5	999.9	99.9	999.9		118.
	99.9	59. 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

						24	APRIL 2102 G	1975 MT					1	53 40.	0	
TIME	CNTCT	HE I GHT GFN	PRES M8	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP M/SEC	V CCMF M/SEC	POT T DG K	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG	
0.0	4.0	44.0	1013.7	29.2	15.0	230.0	4.1	3.1	2. ć	302.6	331.5 330.3	10.6	42.0	0.0	0.	-
.0 • 4	5.1	164.8	1000.0	26.8	14.5	186.9	5.3	0.6	5.2	301.5 301.3	328.3	10.7 10.0	47,7 49,5	0.2 0.3	14.	
1.0	6.9 9.1	367•9 615•1	975.0 950.0	24.6	13.4 12.5	181.0 198.6	4.2	0.1 1.3	4.2	301.3	327.4	9.6	53.3	0.5	9.	
2.3	11.0	846+6	925.0	20.5	12.1	215.9	4.G	2.3	3.2	301.6	327.9	9.7	58.7	0.7	13.	
2.9	13.2	1082.9	900.0	18.2	11.3	225.4	3.7	2.6	2.6	301.6	327.2	9.4	64.2	0.8	18.	
3.7	15.3	1323.8	875.0	15.8	9.9	225.9	4.9	3.5	3.4	301.4	325.4	8.8	67.7	1.0	24.	
4.7	17.5	1569.5	850.0	13.6	8.5	221.1	5.6	3.7	4.2	301.5	324.0	8.2	71.4	1.2	29.	•
5.7	19. 3	1820.5	825.0	11.9	3.8	210.0	6.0	3.0	5.2	302.0	319.1	6.1	57.5	1.6	31.	
6.6	21.9	2077.7	800.0	10.9	-5 <sub>•</sub> 5	217.4	6.3	3.8	5.0	303.2	312.5	3. 2	31.1	1.9	30.	-
7.3	24.4	2342-1	775.0	10-8	-20.2	232.1	5.9	4.6	3.6	305.6	309.3	1.2	11.1	2.2	32.	
8.3	26.6	2615.1	750.0	10.1	-1.6	253.9	4.9	4.7	1.4	308-1	321.5	4.6	44.5	2.5	36.	
9.3	29.1	2896.5	725.0	8+8	-3.4	275.9	5.9	5.9	-0.6	309.7	321.8 319.3	4• <u>1</u> 2• 6	42.1 27.8	2.7 3.0	49.	
10.4	31.7 34.2	3186.4 3485.2	700.0 675.0	7•7 5•9	-9.7 -3.6	289.0 291.3	8.8 10.1	8.3 9.4	-2.9 -3.7	311.4 312.9	325.8	4.4	50.4	3. 3	59	
12.5	36.7	3793.0	650.0	3.3	-3.5 -4.5	293.0	8.6	7.9	-3.4	313.2	325.8	4.2	56.8	3. 7	60.	
13.5	39.4	4109.9	625.0	0.7	-7.2	299.6	9.8	8.5	-4.8	313.7	324.4	3.6	55.6	4.0	71.	
14.5	42.0	4436.3	600.0	-1.9	-9.0	303.5	11.9	9.9	-6.6	314.4	324.2	3.2	59.0	4, 5	79.	
15.6	44.9	4773.4	575.0	-4.7	-10.6	308.7	11.6	9.0	-7.2	314.8	323,9	3.0	63.0	5.0	85.	
16.7	47.9	5122.3	550.0	-6.9	-10.3	306.9	9.3	7.5	-5.6	316.2	326.0	3.2	76.6	5.6	90.	,
17.9	50.8	5484.6	525.0	-8.4	-16.3	305.9	8.5	6.9	-5.0	318.5	325.0	2.0	53.0	6.1	93.	
19.3	54.0	5861.7	500.0	-10-8	-21.4	316.7	10.2	7.0	-7.5	320.0	324.5	1.4	41.4	6.7	97.	
20.8	57.0	6254.4	475.0	-13.7	-18.8	315.3	12.5	8.8	-6.9	321.2	327.1	1.8	64.9	7. 5		
22.1	60.3	6663.5	450.0	-16.6	-24.8	303.9	14.4	12.0	-8.0	322.5	326.2	1.1	48.8	e• 5		
23.6	63.9	7090.8	425.0	-19.3	-37.1	299.2	15.1	13.2	-7.4	324.2	325.6	0.4	19.3		108.	
25.2	67.3	7538.6	400.0	-23.1	-30-5	294.3	16.7	15.2	-6.9	325.0	327.6	0.7	50.8	11.2		
26+7	70.8	8008-1	375.0	-26.3	-35.0	288.4	19.3	18.3	-6-1	326.7	328.6	0.5	43.9	12.9 14.7		
28.2	74.6	8503.1	350.0	-30.3	-39.4	291.2	17.9	16.7	-6.5	327.9	329•2 329•9	0.3 0.3	40.0 55.2	16.7		
30 · 1 31 · 9	76. E 83. J	9025.5 9578.6	325.0 300.0	-34.8 -39.4	-40.6 -47.2	291.5 288.1	19.8 18.1	18.5 17.2	-7.3 -5.6	328.6 329.7	330.4	0.2	42.8	18.7		
33.9	67.4	10167-4	275.0	-44.8	99.9	285.4	14.1	13.6	-3.8	330.3	999.9	99.9	999.9	20.6		
35.9	92.2	10797.5	250.0	-50.3	99.9	283.1	16.2	15.7	-3.7	331.3	999.9	99.9	999.9	22.4		
38-1	57.3	11478+1	225.0	-54.9	99.9	284.9	18.1	17.5	-4.7	334.4	999.9	99.9	999.9	24.8		
40.5	102.6	12223.8	200.0	-59.3	99.9	280.9	21.5	21.1	-4-1	338.8	999.9	99.9	999.9	27.8		
43.4	108.8	13056.7	175.0	-60.4	99.9	277.5	26.4	26.2	-3.5	350.3	999.9	99.9	999.9	31.9	1974	
46.5	115.0	14019.0	150.0	-59.6	99.9	279.9	27.5	27.1	-4.7	367.5	999.9	99.9	999.9	37.2	106	
50.5	122.7	15155-5	125.0	-61.8	99.9	281.5	23.6	23.1	-4.7	383.1	999.9	99• 9	99909	43.0		
54.8	130.8	16515.4	100.0	-67.7	99.9	291.8	13.4	12.5	-5.0	397.0	999.9	99.9	999.9	48.3		
60.4	140.5	19239.4	75.0	-67.7	99.9	308.1	7.1	5.6	-4.4	431.1	999.9	99.9	999.9	52.0		
67.7	151.0	20719.5	50.0	-60.1	99.9	10.6	1.2	-0.2	-1.2	501.9	999.9	99.9	999.9	53.3	-	
99.9	<b>69.</b> 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	•

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>49</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 220 APALACHICOLA, FLA

### 24 APRIL 1975 2015 GMT

165

17. 0

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U. COMP V CCMF POT T E POT T MX RTO RH RANGE GFM MB DG C DG C DG M/SET M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN 4.2 297.6 335.0 14.3 76.0 0.0 0. 0.0 4.6 11.0 1020.7 24.2 19.7 180.0 0.0 4.2 0.6 6.3 189.2 1600.0 20.3 99.9 999.9 99.9 99.9 99.9 294.7 999.9 99.9 999.9 999.9 999. 406.6 975.0 19.2 99.9 999.9 99.9 99.9 99.9 294.4 999.9 99.9 999.9 999.9 999. 1.4 E. 5 10. e 99.9 99.9 296.6 999.9 99.9 999.9 999.9 999. 2.2 629.0 950.0 19.1 99.9 999.4 99.9 99.9 99.9 297.2 999.9 99.9 999.9 999. 9 999. 13.1 856.7 925.0 17.5 99,9 999.9 99.9 2.5 3.7 15.4 1089.5 900.0 10.1 99.9 999.9 99.9 99.9 99.9 298.1 999.9 99.9 999.9 999.9 999. 999.5 1327.6 875.0 99.9 999.9 99.9 99.9 99.9 299.1 999.9 99.9 999. 9 999. 17.7 14.7 4.3 **9**99.9 999.9 999. 5.3 20.2 1571.3 850.0 12.8 \$9.9 999.9 99.9 99.9 99.9 299.8 999.9 99.9 37.7 999.9 999. 1821.6 825.0 -1.8 999.9 99.9 99.9 99.9 302.3 314.1 4.1 6.1 22.5 12.5 320.5 47.8 1.8 11. 6.9 25.1 2079.9 800.0 12.4 1.7 231.3 1.9 1.5 1.2 305.1 5.4 1.9 14. 2345.6 775.0 10.8 0.2 262.1 2.8 0.4 306.0 320.5 5.0 48.1 7.8 27.5 2.8 30.2 2618.5 750.0 9.7 -4.3 277.3 3.2 3.2 -0.4 307.5 318.5 3.7 37.0 1.9 20. 8.8 2.9 29.1 2.0 24. 9.7 32. 9 2899.4 725.0 9.3 -7.8 288.1 2.3 2.2 -0.7 310.0 318.8 1.9 10.7 35.6 3189.4 700.0 7.7 -14.1 311.9 2.5 1.8 -1.6 311.3 317.0 19.8 2.0 28. 11.6 38.3 3486.2 675.0 5.9 -8.9 325.1 3.8 2.2 -3, 1 312.6 321.4 2.9 33.5 1.9 32. 12.7 3795.7 650.0 3.4 -11.0 335.3 6.9 2.9 -6.3 313.2 321.0 2.5 33.9 1.8 42. 41.0 -9.3 53.9 1.6 60. 13.8 44.0 4112.8 625.C 0.9 -7.3 340.5 9.8 3.3 314.0 324.6 3.5 3.1 84. 4439.9 600.0 -1.4 -9.7 344.5 11.8 3.2 -11.4 314.9 324.2 53. L 1.6 14.8 46.9 1.9 107. 62.8 15.6 50.0 4777.8 575.0 -3.7 -9.7 338.4 11.8 4.3 -11.0 316.1 325.8 3.2 326.5 2.9 64.4 2.5 120. 5127.8 550.0 -5.8 -11.4 330.0 11.5 5.8 -5.9 317.5 16.9 53.0 3.3 127. -10.2 319.4 327.5 2.6 64.0 18.1 56.0 5491.5 525.0 -7.8 -13.4 325.7 12.4 7.0 -8.9 320.5 327.4 62.0 4.1 130. 19.3 59.4 5869.4 500.0 -10.4 -16.3 319.5 11.8 7.6 2.1 20.5 6262.7 475.0 -13.0 -18.3 314c5 12.7 9.1 -8.9 322.1 328.2 1.9 64.2 5.0 131. 62.9 21.7 66.2 6672.6 450.0 -16.3 -21.3 312.2 12.0 4.9 -6.1 322.9 328.0 1.5 65.0 5.9 132. 23.1 70.0 7100.3 425.0 -19.3 -25.7 309.6 12.7 9.8 -8.1 324.3 328.0 1.1 56.7 6.9 132. 24.6 73.6 7548.2 400.0 -23.0 -29.5 308.1 13.2 10.4 -8.2 325.2 328.0 0.8 54.6 8.1 131. 77.5 8018.1 375.0 -33.5 308.1 12.3 -9.7 326.6 328.7 0.6 51.2 9.4 130. 26.1 -26.5 15.7 11.1 130. 27.8 81.5 8513.2 350.0 -30-1 -39.6 307.0 16.9 13.5 -10.2 328.2 329.4 0.3 38.5 9036.1 301.0 15.7 -9.4 328.8 329.7 0.2 39.5 12. 9 130. 29.5 25.7 325.0 -34.7 -43.6 18.3 31.5 90.2 9589.7 300.0 -39.3 99.9 296.8 20.4 18.3 -5.2 329.9 999.9 99.9 999.9 14.9 126. -13.4 333.1 999.9 99.9 999.9 17.7 120. 33.4 95.0 10180.6 275.0 -42.9 99.9 298.8 27.9 24.4 35.5 99.8 10817.0 -47.7 99.9 302.5 34.5 29.1 -18.6 335.2 999.9 99.9 999.9 21.8 125. 250.0 -20.6 336.€ 999.9 99.9 999.9 26.6 125. 37.9 105.0 11503.9 225.0 -53.3 99.9 306.3 34.9 28.1 999.9 303.9 27.8 23.1 -15.5 338.9 999.9 99.9 32.4 125. 40.7 110.8 12251.7 200.0 -59.3 99.9 36.6 124. 43.6 117.0 13092.3 175.0 -61.6 99.9 291.9 26.9 25.0 -10.0 348.3 999.9 99.9 999.9 47.0 124.0 14042.7 150.0 -59.7 99.9 308.1 24.1 14.9 -14.8 367.3 999.9 99.9 999.9 42.6 123. 50.9 131.0 15169.3 125.0 . -64.9 99.9 291.4 24.4 22.7 -8.9 377.5 999.9 99.9 99929 47.3 123. 297.0 13.1 -6.7 394.6 999.9 99.9 999.9 53.1 122. 55.7 139.0 16515.0 100.0 -68.9 99.9 14.7 147.0 427.5 999.9 99.9 999.9 57.0 122. 61.1 18223.8 75.0 -69. J 99.9 303.3 5.9 5.7 -3.8 999.9 99.9 999.9 69.1 156.0 20700.3 50.0 -59.5 99.9 39.3 1.9 -1.2 -1.5 503.3 58.0 122. 999.9 99.9 999.9 59.5 124. 639.6 80.9 165.0 25135.5 25.0 -50-5 59.5 38.6 6.4 -4.0 -5.0

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE. ALA

24 APRIL 1975 2015 GMT

165 26. 0

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	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U C04P	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
	WIM		GFM	MB	DG C	DG C	DG	4/SEC	M/SEC	M/SEC	LG K	DG K	GM/KG	PCT	KM	ÐG
	0.0	5. 9	140.0	1001.8	26.7	19.3	210.0	8.2	4.1	7.1	301.6	339.6	14.3	64.0	G. 0	0.
	0.1	6.1	155.9	1000.0	25.7	17.4	999.9	99.9	99.9	99.9	300.6	334.3	12.6	60.1	999. 9	999.
	1.6	6.6	278.4	975.0	23.8	16.5	999.9	99.9	99.9	59 <b>.</b> 9	300.7	333.4	12.2	63.8	999.9	
	2.8	11.0	605.2	950.0	21.5	14 4	208.3	7.6	3.6	6.7	300.5	324 % B	10.9	63.8	1. 7	24.
	3.6	13.5	836.2	925.0	19.4	15.5	210.8	9.6	4.9	8.3	300.7	353.0	12.1	78.2	2.0	25.
	4.2	15.6	1071.7	900.0	17.1	15.3	217.5	11.3	6.9	9.0	300.7	333.6	12.3	. 89. 5	2. 5	26.
	5. 1	18-4	1311.9	875.0	14.9	13.2	230.6	13.2	10.2	8.4	300.8	330.4	11.0	89.6	3.0	29.
	6.0	20.9	1557.6	850.0	1444	9.6	246.0	13.9	12.7	5.7	302.4	326.7	8.9	73.3	3. 7	35.
	6.9	23.4	1809.0	825.0	13.4	4.8	253.7	13.2	12.7	3.7	303.6	322.0	6.6	56.2	4.3	41.
٠	7.9	25.9	2068.4	800.0	12.6	0.1	269.5	14.9	14.9	0 - 1	305 <sub>0</sub> 3	319.1	4.8	42.1	5.0	47.
	8.9	28.7	2333.9	775.0	10.4	-1.5	277.5	16.9	16.8	-2.2	305.6	316.2	4.4	42.5	5• ó	54.
	10-0	31.6	2606.3	750.0	9.4	-5.3	280.5	17.6	17.3	-3.2	307•2	317.4	. 3,5	35, 3	6• 5	52.
	11-1	34.4	2886.7	725.0	6.1	-11.0	273.9	15.2	15.1	-1.0	308.7	315.7	2.3	24.6	7.4	
	12.2	37.1	3175.9	700.0	7.6	-22.9	261.5	15.9	15.7	2.3	311.0	313.6	0.9	9.3	8. 4	69.
	13.4	40.1	3474.4	675.0	6.2	-14.8	254.3	20.4	19.7	5.5	312.8	318.4	1.8	20.6	9. 7	70.
	14.4	42.9	3782.1	650.0	3.9	-11.7	252.3	21.4	20.4	6.5	313.7	321 • 1	2.4	30.9	11.0	70.
	15.5	45.9	4099.6	625.0	1.7	-13.1	254.1	22.8	21.9	6.2	314.7	321.6	2.2	32.2	12.4	71.
	16.7	49-1	4427-1	600.0	-1.1	-16.4	202.5	23.0	22.8	3.0	315.1	320.7	1.8	29.9	14.1	72.
	17.9	52.0	4764.9	575.0	-3.6	-20.4	269.7	50.5	20.2	0.1	315.9	320.1	1.3	25.6	15.4	73.
	19.1	55. 3	5114.4	550.0	-6.9	-19.8	281.6	17.3	17.0	-3.5	316.1	320.7	1.4	34.8	16. A	75.
	20.4	58.€	5475.4	525.0	-10.0	-16.7	282.4	19-1	18.7	-4-1	316.7	322.9	2.0	5.7 • 8	18.1	77.
	21.7	62.0	5849.6	500.0	-12.9	-20.0	278.1	22.8	22.6	-3.2	317.4	322.4	1.6	55.4	19.4	79,
	23.0	65.5	6236.6	475.0	-15.4	-42.1	273.9	21.7	21.0	-1.5	318.8	319.7	0.2	10.0	21.3	80.
	24.5	69.0	6644.7	450.0	-17.8	-50.2	277.0	20.7	20.5	-2.5	320.8	321.2	0.1	4 • Q	23.0	
	26.0	72.6	7070.2	425.0	-20.5	-51.5	275.4	20.4	20.3	-1.9	322.7	323.0	0.1	4 = 2	24.8	
	27.6	76.5	7516.4	400.0	-23.8	-53.3	280.1	20.3	20.0	-3.5	324.0	324.3	0.1	8.0	26.7	
	29.2	80.4	7984.5	375.0	-27.5	-55.5	277.0	24.7	24.5	-3.0	325.1	325.3	0.1	5.0	29.0	85.
	30.9	84.5	8476.5	350.0	-31.7	-58.0	274.9	23.8	23.7	-2.0	325.9	326.1	0.0	5.4	31.3	
	32.7	8.85	8995.3	325.0	-36.3	-60.8	280.9	26.5	26.1	-5.0	326.5	326•7	0.0	5.9	33.8	
	34.4	93.2	9546.6	300.0	-40.0	99.9	286.8	28.7	27.5	-e. 3	329.0	999.9	99.9	999.9	36. 5	
	36.4	98+0	10134.4	275.0	-44.9	99.9	306.7	21.3	17.0	-12.7	330.2	999.9	99.9	999.9	38. 9	90.
	38.4	1 C2.8	10764.7	250.0	-49.9.	99. 9	300.4	17.8	15.4	-9.0	332.0	999.9	99.9	999.9	40.5	92.
	40.7	108.3	11444.6	225.0	-55.6	99.9	292.1	17.6	16.3	-6.6	333.3	999 <b>.</b> 9	99.9	999.9	43.1	93.
	43.3	113.5	12186.0	200.0	-60.3	99.9	279.6	20.6	20.4	-3.5	337.2	999.9	99.9	999.9	45. 8	94.
	46.1	120.0	13014+0	175.0	-59.9	99•9	269.6	23.8	23.8	0.1	351.0	999.9	99.9	999.9	50.3	94.
	49.6	126.5	13976.1	150.0	-60.0	99.9	277.8	29.5	29.2	-4.0	366.7	999.9	99. 9	999.9	56.8	94.
	54.1	134.0	15111.0	125.0	-61.8	99.9	266.2	20.9	20.8	0.7	383.1	999.9	99.9	999.9	63.8	
	59.1	141.5	16473.6	100.0	-67.5	99.9	265.7	20.5	20.4	1.5	397,3	999.9	99.9	999.9	70.6	
	65.9	150.0	18200.6	75.0	-65.5	99.9	296.7	8.1	7.3	-3.7	435.6	999.9	99.9	999.9	77.2	
	74.3	159.0	20696.7	50.0	-58.3	99.9	292.7	8.7	8.0	-3.3	506.1	999.9	99.9	999.9	79.2	
	99.9	99.9	95.9	25.0	99.9	99.9	99.9	99.9	99.9	99 <b>.</b> 9	99 <b>.</b> 9	999.9	99.9	999.9	999.9	439.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

SES .ON NOITATE BOOTHVILLE. LA

24 APRIL 1975 2015 GMT

166 22. 0

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TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	A.Z	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.9	1.0	1018.4	25.4	22.9	160.0	5-1	-1.7	4.8	299.4	345.3	17.6	86.C	0.0	0.	
0.5	6.4	161.6	1000.0	23.4	22.0	999.9	99.9	99.9	99.9	298.9	343.0	16.9	91.4	999. 9	999.	
1.2	8.8	383.1	975.0	21.7	21.1	999.9	99.9	99.9	99.9	299.2	342.3	16.4	96.2	999.9	979.	
1.9	11.1	609.0	950.0	20.4	20.1	173.1	10.7	-1.3	10.6	300.0	341.6	15.8	97.8	1.0	336.	
2.5	13.5	839.7	925.0	1804	17.5	183.5	11.2	0.7	11.2	299.9	336.3	13.5	94.6	1.4	343.	
3.3	15.8	1074.8	900.0	16.9	13.3	186.6	9.0	1.0	8.9	300.3	329.2	10.7	79.4	1.8	349.	
4.2	16.4	1314.6	875.0	15.8	8.5	191.8	7.1	1.5	6.9	301.3	323.2	8.0	61.8	2. 3	352.	
5.0	20.8	1561.3	850.0	16.0	4.6	195.3	5.4	1.4	5.2	303.7	321.4	6.3	46.9	2.5	355.	
5.9	23.4	1815.0	825.0	15.7	3.1	188.0	6.7	0.9	6.7	306.0	322.6	5.8	42.7	2. 8	357.	
6.9	25.9	2075.4	800.0	13.9	1.5	186.6	6.4	1.0	6.3	306.7	322.0	5.3	42.6	. 3. 2	35 H+	
7.8	28.6	2342.4	775.0	12.0	0.3	194.8	5.7	1.5	5.5	307.4	322.1	5.1	44.5	3.5	359.	
8.7	31.4	2616.5	750.0	10.9	-5.8	192.2	5.7	1.2	5.6	308.8	218.7	3.3	30.8	3. 6	1.	
9.7	34.2	2898.2	725.0	9.6	-18.8	184.7	5.9	0.5	5.9	310.1	313.9	1.2	11.6	4.2	1.	
10.7	36.9	3166.9	700.0	9.1	-17.8	175.3	3.4	-0.3	3, 4	312.7	317.0	1.4	13.1	4.5	1.	
11.7	39.9	3489.2	675.0	7.8	-19.2	173-1	1.5	-0.2	1.5	314.5	318.5	1.2	12.7	4.6		
12.8	42.6	3799.0	650.0	5.6	-19.1	41.6	0.3	-0.2	-0.2	315.4	319.6	1.3	14.8	4. 6	1.	
14.0	45.8	4117.8	625.0	2.8	-16-3	332.9	0.2	0.1	-0.1	315.9	321.3	1.7	22.9	4.6	1.	
15.1	48.9	4446.5	600.0	-0.0	-13.1	288.4	0.2	0.2	-0.1	316.4	323.7	2.3	36.7	4.6	1.	
16.3	51.9	4785.8	575.0	-2.8	-11.0	256.5	2.5	2.5	0.6	317.1	325.9	2.9	52.9	4.6	2.	
17.5	55.1	5137.1	550.0	-5.0	-13.8	263.7	5.2	5. 2	0.6	318.4	325.9	2.4	49.8	4.7	5.	
18.6	58.3	5501.1	525.0	-7.6	-14.0	261.0	7.2	7.1	1.1	319.6	327.4	2./3	59.7	4. B	10.	
20.0	61.9	5879.1	500.0	-10.0	-21.2	264.4	10.6	10.6	1.0	320.9	325.6	1 64	39.6	5. 1	18.	
21.4	65.4	6273.6	475.0	-12.2	-27.6	267.5	12.6	12.8	0.6	323.0	325.8	0.8	26.1	5. 5	24.	
22.9	69.0	6684.5	450.0	-15.2	-32.3	265.6	12.6	12.6	1.0	324.1	326.1	0.6	21.4	6.2		
24.4	72.5	7114.1	425.0	-18.3	-35.4	269.9	15.8	15.6	C. 0	325.5	327.0	0.4	20.7	7. 1	45.	
26.0	76.5	7563.8	400.0	-21.2	-35.2	273.1	20.2	20.2	-1.1	327.4	329.1	0 ÷ 5	26.9	8.3	54.	
27.5	80.5	803c.7	375.0	-25.2	-40.4	274.4	19.9	19.8	-1.5	328.2	329.2	0.3	22.6	9.9		
29. 1	24.6	8533-1	350.0	-29.4	-46.2	273.7	18.2	18.1	-1.2	329.1	329.7	0.2	17.6	11.4		
30.9	E8. 7	9058.0	325.0	-33.4	-46.1	281.1	19.8	19.4	-3.8	330.6	331.3	0.2	26.5	13. 1	70.	
32.8	93.4	9615.3	300.0	-37.2	-42.4	267.1	27.1	25.9	-8.0	332.8	334.0	0.3	58.4	15.3		
34.9	58.2	10211.1	275.0	-41.8	99.9	284.3	30.6	29.7	-7.5	334.7	999.9	99.9	999.9	18.6	82.	
37.0	103.2	10849.3	250.0	-47.3	99.9	286.5	32.1	30.7	-9,1	335.8	999.9	99.9	999.5	22. 3		
39.4	108.8	11537.7	225.0	-52.9	99.9	208.8	31.8	30 • 1	-10.3	337.4	999.9	99.9	999.9	26.7		
41.9	114.5	12286.3	200.0	-58.2	99.9	290.6	35.2	32.9	-12.4	340.6	999.9	99.9 .	999.9	31.6		
44.8	121.0	13118.3	175.0	-62.8	99.9	293.6	32.6	30.1	-13.1	346.2	999.9	99.9	999.9	36. a		
45.0	127.8	14068.8	150.0	-62.8	99.9	272.7	32.0	31.9	-1.5	361.9	999.9	99.9	999.9	43.0		
51.9	135.3	15192.7	125.0	-65.0	99.9	271.3	21.1	21.1	-0.5	377.3	999.9	99.9	.999• 9	49.0		
56.6	142.5	16538.5	100.0	-69.0	99.9	278.0	17.5	17.3	-2.4	394.5	999.9	99.9	999.9	54. 9		
62. 3	150.7	18244.5	75.0	-70.3	99.9	284.5	12.3	11.9	- 3, 1	425.5	999.9	99.9	999.9	59.0		
69.9	159.3	20721.3	50.0	-58.8	99.9	306.2	5•3	4.2	-3.1	505.0	999.9	99.9	999.9	60.6		
81.5	168.0	25145.7	25+0	-50.6	99.9	999.9	99.9	99.9	99.9	639.1	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFCLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NU. 235 JACKSON, MISS

24	APRIL	1975
	2015 CHT	

							2015 G	4T					10	53 16.	. 0
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CC4P	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC -	M/SF C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.6	100.0	1005.2	29.8	19.5	220.0	4.6	3.0	3.5	304.5	343.2	14.4	54.0	0.0	0.
0.1	5 · C	146.3	1000.0	28.6	18.3	207.4	12.0	5.5	10.6	303.6	339.7	13.4	53.8	0.3	29.
0.8	6.8	371.1	975.0	26.7	16.8	208.8	10.8	5.2	9.4	303.€	337.6	12.5	54.7	0.5	29.
1.6	9. 1	600-1	950.0	2406	15.7	212.5	10-1	5.4	8.5	303.8	336.2	12.0	57.8	1.0	30.
2.4	11.0	233.6	925.0	22.9	14.2	206.1	10.9	4.8	9.8	304.2	334.4	11.1	58.1	1.5	30.
3.2	13.3	1072.1	900.0	20.5	13.5	267.0	10.1	4.6	9.0	304.2	333.8	10.9	63.9	2.0	29e
4.0	15.4	1315.2	875.0	18.7	12.2	213.1	11.3	6.2	9.5	304.6	332.9	10.3	65.8	2.5	29.
4.7	17.6	1563.6	850.0	16.2	11.2	217.0	11.0	6.6	8.5	304.5	331.6	9.9	71.9	3.0	30.
5.6	20.0	1817.2	825.0	14.6	8.2	231.4	13.4	10.5	8.4	305.1	328.2	8.3	65.4	3.6	32.
6.2	22.1	2077.5	800.0	13.6	5.8	240.4	14.4	12.6	7.1	306.6	327.0	7.3	59.2	4.1	35.
7.0	24.5	2345.6	775.0	13.2	3.7	243.4	14.7	13.2	6.6	308.8	327.4	6.5	52.8	4.7	39.
7.8	26.8	2620.1	750.0	10.3	1.8	248-1	15.2	14.1	5.7	308.6	325.3	5. 6	55.5	5.4	42.
. 8. 8.	29.4	2902.3	725.0	9.8	-3.8	255.3	13.8	13.4	3, 5	310.7	322 • 6	4.0	38.3	6.2	47.
9.7	21.9	3193.1	700.0	8.6	-9.2	250.6	12.0	11.3	4.0	312.4	320.7	2.7.	27.2	6.7	50.
10.6	34.6	3494.2	675.0	e . 7	-10-2	243.3	12.1	10.5	5. 4	315.7	323.8	2.6	25.0	7.4	51.
11.6	37.1	3804.8	650.0	6.2	-11.3	245.0	12.4	11.2	5.2	310.3	324.1	2.5	27.2	8. 1	52.
12.7	39.9	4124.5	625.0	3.2	-12.3	251.0	13.1	12.4	4. 3	316.3	323.8	2.4	31.0	8. 9	53.
13.6	42.4	4454.5	600.0	1.1	-10.4	256.7	14.2	13.9	3.3	317.8	326.8	2.9	41.9	9.6	55.
14.7	45.3	4795.4	575.0	-2.1	-12.9	263.5	14.8	14.7	1.7	317.8	325.5	2.5	43.4	10.5	57.
15.7	48.3	5147-1	550.0	-4.7	-14.0	266.1	14.5	14.5	1.0	318.7	326.2	2.4	48.2	11.3	59.
16.8	51.1	5510.6	525.0	-7.8	-11.4	263.4	16.4	16.3	1.9	319.4	328.9	3.1	75.3	12.2	61.
19.1	54.3	5000.5	500.0	-10.0	-15.3	263.4	19.5	19.4	2.2	321.1	328.5	2.3	65.0	13.5	04.
19.3	57.3	6281.8	475.0	-13-1	-25.3	258.9	20.6	20.3	4.0	321.6	325.2	1.0	35.2	14.9	65.
20.5	€0.6	669C.7	450.0	-16.9	-33.5	264.0	19.8	19.7	2. 1	322.0	323.7	0.5	21.3	16.3	67.
21.8	64.1	7117.8	425.0	-19.2	-37.8	269.5	20.5	20.5	0.2	324, 3	325.5	0.3	17.5	17.3	68.
23.2	67.5	7566.9	400.0	-21.9	-39.9	267.1	20.0	20.0	1.0	326.5	327.5	0.3	17.7	19.3	70.
24.7	71.0	6037.9	375.0	-25.8	-43.0	268.5	21.1	21.0	0.5	327.3	328.2	0 • 2	18.0	21.2	72.
26.4	74.9	e533 <b>.</b> 9	350.0	-29.2	-45.7	267.7	24.7	24.6	1.0	329.4	330.0	0.2	18.2	23. 3	73.
28.2	79.0	9058.4	325.0	-32.6	-45.5	272.7	26.9	26.9	-1.3	331.7	332.3	0 • 1	18.5	26.0	75.
30.0	83.0	9615.0	300.0	-38.0	-53.0	278.2	26.3	26.0	-3.7	331.7	332.0	0.1	18.9	28. 7	77.
31.9	67.3	10212.0	275.0	-42.1	99.9	287.3	28.0	26.7	-8.3	334.3	999.9	99•9	999.9	31 • 7	79.
33.6	92.2	10849-9	250.0	-47.2	99.9	289.4	34.5	32.5	-11.4	335.9	999.9	99.9	999.9	34.6	82.
35.9	97.0	11539.3	225.0	-52.8	99.9	290.3	39.7	37.2	-13.6	337.6	999.9	99.9	999.9	38. 8	86.
30.4	102.4	12295.3	200.0	-57.4	99.9	294.3	33.0	30.0	-13.6	341.9	999.9	99•9	999.9	44.0	89.
41.3	108.5	13130.3	175.0	-62.3	99.9	290.3	34 • 2	32.1	-11.9	347.1	999.9	99.9	999.9	49.4	92.
44.4	115.0	14063.9	150.0	-61.9	99.9	269.0	39.5	39.5	0.7	363.5	999.9	99. 9	999.9	54.4	93.
48.2	122.3	15218.9	125.0	-61.1	59.9	200.2	24.4	24+0	4.2	384.3	999.9	99.9	999.9	62.0	92.
52.9	121.0	16587.2	100.0	-65-1	99.9	256.7	25.5	24.8	5.9	402.0	999.9	99.9	999.9	68• 5	90.
58.0	140.3	18347.2	75.0	-66.0	99.9	291.7	10.7	9.9	-4.0	434.6	999.9	99• 5	999.9	73.6	90.
65.4	150.7	20870.2	50.0	~59. Q	99.9	319.9	4.8	3.1	-3.7	504.5	999.9	99, 9	999.9	75. 9	90.

<sup>\*</sup> EV SFEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 240 LAKE CHARLES. LA

24 APRIL 1975 2015 GMT

165 16. 0

							20.0						•		, ,
TIME	CNTCT	<b>FEIGHT</b>	PRES	TEMP	DEW PT	DIR	SPELD	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFW	MB	DG C	DG C	DG .	M/SEC	H/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	3.4	5.0	1015.7	26.7	21.2	160.0	9.3	-3.2	8. 7	300.7	342.6	15.9	72.0	0.0	0.
0.5	4.7	142.9	1000.0	25.4	20.5	169.6	9.0	-1.6	8.9	300.7	341.5	15.4	74.3	U . 4	1.
1 . 3	6.5	365.6	975.0	23.2	18.8	176.2	11.2	-0.7	11.2	300.5	338 • 2	14.2	76.4	0. 5	357.
2.1	8.5	592.1	950.0	20.9	17.9	181.5	11.2	0.3	11.2	300.2	336.8	13.8	83.4	1.4	357.
2.9	10.5	822.9	925.0	19.6	14.4	194.9	12.6	3.2	12.2	360.8	331.1	11.3	72.3	1.9	1.
3.5	12.5	1059.1	900.0	19.3	12.1	200.3	13.3	4.6	12.5	302.8	329.8	9.9	62.8	2.4	4.
4.2	14.7	1301.2	875.0	17.8	9.9	199.8	13.1	4.4	12.3	303.4	327.6	8.8	59.9	2.9	7.
5.1	16.6	1549.0	850.0	16.4	8.5	205.4	11-1	4.8	10.0	304.5	327.3	8.3	. 59·4	3. 5	10.
6.0	18. 7	1802.4	825.0	14.0	6.6	200.4	10.2	3.5	9.5	304.4	325.1	7.4	60.7	4+1	12.
6.8	21.0	2061.6	800.0	13.1	5 · §	201.9	10.4	3.9	9.6	306 • 1	325.6	6.9	56.2	4.6	13.
7.8	23.3	2328.4	775.0	12-1	-1.1	203.2	11.8	4.6	10.8	307.5	320.7	4.6	40.0	5. 2	1.4 .
8.9	25.5	2602.9	750.0	11.5	-7.5	199.5	12.9	4.3	12-1	309.5	318.3	2.9	25.0	6.0	15.
19.0	27.9	2885.7	725.0	11.4	-9.5	202.5	12.4	4.8	11.5	312.3	320.2	2.6	22.0	ۥ 9	16.
11-1	30.4	3178.4	700.0	10.3	-10.4	204.7	12.5	5.2	11.3	314.2	321.9	2.5	22.1	7. 7	17.
12.2	33.0	3479.5	675.0	7.9	-10-1	200.0	13.5	4.6	12.7	314.9	323.0	2.6	26.6	8.6	17.
13.3	35.5	3789.6	650.0	5.7	-12.0	200.6	12.3	4.3	11.5	315.7	323.0	2.3	26.7	9 4	17.
14.5	38.0	4100.8	625.0	3.3	-14.0	215.6	9.8	5.7	8.0	316.4	323.0	2.1	26.7	10.2	18.
15.6	40.6	4438.7	600.0	1.2	-15.8	222.6	7.4	5.0	5.4	317.7	323.6	1.9	26.8	10.7	19.
16.7	43.4	4779.1	575.0	-1.6	-18.2	223.8	6.9	4.7	5.0	318.2	323.4	1.6	26.9	11.2	20.
18.0	46.3	5131.3	550.0	-4.5	-12.3	222.1	9.0	6.0	6.6	319.0	327.5	2.7	54.5	11.7	21.
19.2	49.4	5455.7	525.0	-7.8	-15.2	223.3	9.7	6.7	7.1	319.3	326.4	2.2	55.0	12.4	22.
20.6	52. 3	587 Je 1	500.0	-11.1	-16.7	229.1	9.7	7.3	6.3	319.7	326.3	2.1	63.1	13.1	24.
21.9	55.3	6264.8	475.0	-14.4.	-18.1	244.2	10.3	9.3	4.5	320.3	326.5	1.9	73.8	13.7	26.
23.3	58.6	6672.9	450.0	-16.6	-27.8	251.8	14.9	14.2	4.6	322.5	325.4	0.9	37.2	14.5	28.
24.7	€2.0	7100.1	425.0	-19.5	-29.9	259.3	18.7	18.4	3.5	324.0	326.6	0.7	38.9	15.5	
26.1	65.6	7547.3	400.0	-23.5	-32-1	261.5	21.6	21.4	3.2	324.5	326.7	0.6	44.6	16.5	37.
27.7	69.2	8015.7	375.0	-27.2	-38.8	262.7	21.4	21.3	2.7	325.5	326.8	0.4	32.3	10.2	
29.3	72.8	8509.6	350.0	-30.3	-55.2	268.4	20.3	20.3	0.6	327.9	328.1	0.1	6.7	19. 8	45.
31.3	77.0	9032.6	325.0	-33.9	-43.5	278.1	25.8	25.6	-3.7	329.9	330.8	0.2	36.8	21.6	50.
33.1	E1.0	9589.9	300.0	-36.9	-45.5	285.1	32.7	31.6	-8.5	333.3	334.2	0.2	40.0	23. 7	57.
35.2	85.5	10186.7	275.0	-41.6	59.9	261.9	35.0	34.3	-7.3	335.0	999.9	99.9	999.9	26.7	63.
37.5	90.4	10825.6	250.0	-46.8	99.9	276.8	38-3	38.0	-4.5	336.6	999.9	99.9	999.9	30.8	69.
39.5	95.5	11515.6	225.0	-52.4	99.9	273.9	37.1	37.0	-2.6	338.2	999.9	99.9	999.9	35.5	73.
42.4	101.0	12265.6	200.0	-58.8	59.9	276.5	36.8	36.6	-4.2	339.7	999.9	99.9	999.9	4C. 5	76.
45.2	107.3	13094.0	175.0	-64.4	99.9	286.0	43.9	42.2	-12.1	343.7	999.9	99.9	999.9	47.5	79.
48.5	114.3	14038.7	150.0	-62.2	99.9	265.6	34.1	34.0	2.6	362.9	999.9	99.9	999.9	54.5	62.
52.7	122.0	15170.7	125.0	-62.0	99.9	254+8	18.0	17.4	4.7	382.€	999.9	99.9	999.9	60.8	82.
57.3	130-8	16526.8	100.0	-69.0	99.9	262.7	14.4	14.3	1.8	394.4	999.9	99.9	999.9	66.3	82.
63.6	140.5	18241.3	75.0	-69.3	99.7	268.4	19-1	19.1	0.5	427.7	999.9	99.9	999.9	72. 3	82.
72.0	151.0	20713.8	. 50.0	-58.8	99.9	264.7	7.1	7.0	0.6	505.0	999.9	99.9	999.9	75.4	83.
84.6	162.5	25148.7	25.0	-53.1	99.9	3.6	5.3	-0.3	-5.3	632.2	999.9	99.9	999.9	74.6	85.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEWP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 248 SHREVEPORT. LA

24 APRIL 1975 2103 GMT

								•					-		, •
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	рн	RANGE	AZ
MIN.		GFM	MB	DG C	DG C	DG	M/SEC	MISEC	" M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.6	79,0	1003.7	30.0	24+5	190.0	6.7	1.2	6.6	305.5	358 • 1	19.6	72.3	0.0	0.
0.1	4.9	112-1	1000-0	29.9	19.7	205.7	10.3	4.5	9.3	305.1	345.1	14-8	55.0	0.3	4.
0.7	6.6	337.8	975.0	27.3	17.2	202.7	11.7	4.5	10.8	304.4	339.1	12.8	54.0	0.5	12.
1.6	2.7	567.2	950.0	25.0	15.9	188.3	12.6	1.8	12.4	304.2	337.0	12.1	56.9	1.1	1 3.
2.4	10.6	801.1	925.0	22.8	15.2	185.8	11.2	1-1	11.2	304.3	336.5	11.9	62.2	1. 7	11.
3.1	12.6	1039.3	900.0	20.6	14.4	184.5	10.2	0.8	10.1	304.3	335.9	11.6	67.5	2.1	10.
. 3.9	14.8	1282.3	875.0	18.1	13.9	186.5	12.3	1.4	12.2	304.1	335.4	11.5	76.4	2.7	8.
4.7	16.7	1530.4	850.0	16.0	12.6	197.8	13.6	4.1	12.9	304.4	334.1	10.9	80.3	3.3	9.
5. 7	18.9	1783.8	825.0	13.9	11.6	206.9	14.5	6.6	13.0	304.6	333.3	10.5	86.1	.4.1	12.
6.7	21.0	2043-1	800.0	12.2	10.5	210.4	16.2	8.2	14.0	305.5	333.3	10.1	89.3	5.0	15.
7.8	23.4	2309.3	775.0	10.3	8.0	220.7	16.0	10.5	12.2	396.1	330 • 5	8.8	85.4	6.0	19.
9.0	25.6	2583.1	750.0	11.7	-4-1	233.6	14.9	12.0	8.8	309.8	321.8	4.1	36.4	7. 1	23.
10.2	28.0	2865.8	725.0	10.7	-11.1	231.5	11.9	9.3	7.4	311.5	318.5	2.3	20.3	7. 9	27.
11.3	30.5	3157.4	700.0	9.7	-13.9	214.0	12.0	6.8	9.9	313.5	319.3	1.9	17.4	8.6	28.
12.3	33.0	3459.1	675.0	10.0	-10.9	216.3	13.0	7.7	10.5	317.1	324.9	2.5	21.7	9.4	29.
13.5	35. 5	3771.8	650.0	7.8	-10.9	221.7	12.8	8.5	9.6	318.1	326.1	2.6	25.2	10.3	3 Ç.
14.9	38.2	4093.0	625.0	4.7	-14.6	226.5	12.9	9.4	8.9	318.0	324.3	2.0	23.2	11.4	31.
16.3	40.8	4424.1	600.0	2.2	-17.5	241.0	12.4	10.8	ۥ0	318.8	324.0	1.6	21.6	12.4	33.
17.5	43.7	4765+6	575.0	-1.2	-18.4	250.5	11.9	11.2	4.0	318.8	323.8	1.6	25.6	13.1	35.
18.9	46.7	5117.8	550.0	-4.6	-20.1	251.7	12.4	11.7	3.9	318.8	323.4	1.4	28.5	13.9	30.
20.2	45.7	5481.5	525.0	-8.0	-23.5	250.6	11.4	10.8	3.8	318.8	322.4	1.1	27.5	14.7	39.
21.7	52.6	5858.1	500.0	-11.7	-25.5	251.5	13.0	12.3	4 - 1	318.8	322.0	1.0	30.7	15.6	42.
23. 2	55. 3	6248.2	475.0	-15.3	-30.1	255.1	15.1	14.6	3.9	319.1	321.3	0.7	26.7	16.7	44.
24.8	59.1	6654.5	450.0	-17.5	-34.9	257.2	16.2	17.7	4.0	321.2	322.8	0.4	20.2	18.0	46.
26.4	62.7	7081.0	425.0	-20.3	-37.4	256.0	21.3	20.6	5.2	322.9	324.2	0.4	20.0	19.7	49.
28.0	66.3	7527.2	400.0	-23.4	-40.3	258.1	21.4	20.9	4.4	324.5	325.6	0.3	19.4	21.5	52.
29.9	70.1	7997-1	375.0	-26.1	-42.9	262.5	23.7	23.5	3.1	327.0	327.8	0.2	18.7	23.8	55.
31.7	74.0	8491.9	350.0	-30.3	-46.3	263.7	23.9	23.8	2.6	327.8	328 • 4	0.2	19.0	26.1	57.
33.7	78.2	9013.8	325.0	-34.7	-49.9	261.9	24.6	24.4	3.5	328.7	329.2	0.1	19.4	28.7	50.
35.5	e2. 6	9567+3	300.0	-39.6	-54.0	264.7	24.9	24.8	2.3	329.5	329.8	0.1	19.7	31.4	62.
37.7	e7. 2	10158.2	275.0	-42.7	99.9	268.0	31.4	31.4	1.1	333.3	999.9	99.9	999.9	34.6	64.
39.9	92.3	10795.3	250.0	-47.8	99.9	268.2	37.6	37.5	1.2	335.0	999.9	99. 9	999•9	39• 2	67.
42.4	97.5	11481.7	225.0	-53.4	99.9	271.1	40.5	40.5	-0.8	336.7	999.9	99.9	999.9	44.5	70.
45.4	103.5	12229.1	200.0	-59.6	99.9	274.8	40.1	39.9	-3,3	338.3	999.9	99.9	999.9	51.8	73.
45.4	110.0	13052.5	175.0	-65.5	99.9	279.1	44.7	44.1	-7 <b>.</b> 1	341.9	999.9	99.9	999.9	58. 6	76.
51.8	116.8	13997.7	150.0	-61.6	99.9	264.9	23.4	23.3	2. 1	364.1	999.9	99.9	.999.9	66. 7	78.
56.0	125.0	15127.7	125.0	-62.2	99.9	270.4	29.2	29.2	-0.2	382.3	999.9	99.9	999.9	74.3	79.
60.9	133.5	16492.9	100.0	-66.7	99.9	262.9	21.5	21.4	2.7	398.9	999.9	99.9	999.9	80.8	80.
66.7	142.3	18210.8	75.0	-70.8	99.9	256.4	15.6	15.1	3.7	424.5	999.9	99.9	999.9	85.2	80.
75.7	151.3	20722.4	50.0	-58.5	99.9	335.5	6.9	2.9	-6.3	505.8	999.9	99.9	999.9	89. 7	81.
89.3	160-3	25168.2	25.0	-49.8	99.9	354.4	5.7	0.6	-5.7	642.0	999.9	99.9	999.9	90.0	83.

PY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 PY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 PY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 255 VICTORIA, TEX

24 APRIL 1975 2015 GMT

159 17. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DE W PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	EG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
						* *									
0.0	4.2	33.0	1008.4	30.0	21.4	170.0	12.4	-2.2	12.2	304.6	348.0	16.1	6.0 • 0	G• 0	0.
0.2	. 4.9	107.7	1000.0	27.8	20.4	999.9	99.9	99.9	ç <b>9.</b> 9	303.0	343.9	15.3	64.4	999. 9	
0.9	6.5	331.9	975.0	25.3	19.5	995.9	99.9	99.9	55.5	302∙€	342.2	14.8	70 • 1	999, 9	
1.7	. 8.5	560.1	950.0	23.2	19.6	999.9	99.9	99.9	99.9	302.8	343.6	15.3	80.3	999 <b>.</b> 9	
2.3	1 C - 6	792.8	925.0	20.7	18.5	182.3	15.0	0.6	14.9	302.5	341 • 8	14.7	87.4		
2.9	12.6	1025.8	900.0	19.3	13.6	185.0	15.6	1.4	15.5	303∙0	333.2	11.2	7.0 - 5	2. 1	355.
3.7	. 14.8	1272.3	875.0	18.8	8.1	182.2	16.5	0.6	16.5	304.4	326.0	7.8	49.6	2.9	
4.6	16.8	1520.5	850.0	17-1	2.9	182.5	14.3	0.6	14.3	304.9	320.7	5.6	36.6	3 €	
5.5	19.1	1775.5	825.0	18.6	-6•6	188.5	16.1	2.4	15.9	308.7	317.2	2.8	17.3	4.5	36 Ce
6.3	21.2	2038.7	800.0	18.0	-6.7	187.7	16.3	2.2	16.2	310.7	319.5	2.9	17.9	5. 3	1.
7.2	23.6	2309.6	775.0	16.8	-6.7	189.1	15.1	2.4	14.9	312.3	321.4	3.0	19.2	6. 2	2.
8 • 1	25∙ 8	2587.9	750.0	15.5	-9.9	189.4	14.6	2.4	14.4	313.8	321 • 2	. 2.4	16.4	6. 9	
9. 1	28.2	2874.0	725.0	14.0	-11.2	186.0	13.5	1.4	13.4	315.1	322.1	2.2	16.2	7. e	4.
10.0	30.7	3169.0	700.0	12.8	-12.1	187.8	10.5	1.4	10.4	316.9	323.7	2.1	16.3	8.4	3•
10.9	33.2	3472.9	675.0	10.9	-12.9	198.6	749	2.5	7.4	318.1	324.8	2.1	17.4	8. 9	4.
11.9	35.7	3786.7	650.0	8.9	-5.9	219.3	6.8	4.3	. 5.3	319,5	331 • 3	3.8	34.5	9.3	5•
13.0	38.2	4105.6	625.0	5.9	-6.1	237.3	7.2	6.0	3.9	319.7	331.7	3.9	41.5	9.7	7•
14.1	40.8	4442-1	600.0	2.7	-7.6	233.2	7.7	6.2	4.6	319.7	330.8	3.6	46.2	9.9	
15.2	43.6	4784.7	575.0	-0.7	-9.2	232.1	7.6	6.0	4.6	319.6	329.9	3.3	52.7	10.4	11.
16.4	46.5	5137.9	550.0	-4.0	-13.9	235.7	7.4	6.1	4.2	319.6	327.3	2.4	46.3	10.7	13.
17.6	49.5	5503.1	525.0	-6.8	-20.9	247.9	8.6	8.0	3• 2	320.4	324.9	1.4	31.5	11.1	15.
18.9	52.3	5882.0	500.0	-9.6	-22.7	260.0	11.0	10.8	1.9	321.4	325.5	1.2	33.5	11.5	18.
20 - 3	55.4	6276.6	475.0	-12.0	-29.9	269.0	14.7	14.7	0.2	323.1	325.5	0.7	20.9	12.0	23.
21.8	58. 5	6688.0	450 · G	-15.0	-29.5	265+0	17.9	17.9	1.6	324.5	327.0	0.7	27.7	12.6	29.
23.2	61.9	7117.2	425.0	-18.5	-30.3	256.4	18.3	17.8	4.3	325.2	327.7	0.7	34.4	13.7	
24.8	65.4	7566.7	400.0	-21.7	-42.6	259.2	20.6	20.3	3.9	326.7	327.6	0.2	13.5	15. 1	39.
26.3	68.9	8039.4	375.0	-24.7	-36.4	258-1	23.8	23.3	4. 9	328.9	330.5	0.4	32.7	16.8	43.
27.9	72.4	6538.5	350.0	-27.8	-33.1	271.5	26.0	26.0	-0.7	331.2	333.6	0.7	60.4	18.5	48.
29.6	76 • 5	9066.6	325.0	-32.1	-36.3	275.9	27.5	27.3	-2.8	332.4	334.3	0.5	66.0	20.6	
31.3	80.6	9626.7	300.0	-36.4	-43.6	270.6	28.0	28.0	-0+3	334.0	335.0	0.3	47.3	22.6	
33.2	e5.0	10223.7	275.0	-41.0	99.9	268.8	28.0	27.9	0.6	335.9	999.9	99.9	999.9	25.6	62.
35.3	89.4	10865.5	250.0	-45.6	99.5	269.4	32.8	32.8	0.4	338.4.	999.9	99.9	999.9	29. 1	65•
37.5	94.6	11558.7	225.0	-51.6	99.9	272.2	35.4	35.4	-1.4	339.4	999.9	99.9	999.9	33. 3	690
39.9	99. B	12310.9	200.0	-58.4	99.9	272.9	32.5	32.5	-1.7	340.3	999.9	99.9	999.9	37. 7	72.
42.5	105.5	13137.8	175.0	-65.1	99.9	275.8	36.2	36.0	-3.7	342.6	599.9	99.9	999.9	43.1	74.
45.7	112.0	14068.2	150.0	-66.7	99.9	281.0	26.4	25.9	-5.0	355.2	999.9	99.9	999.9	49.7	78.
49.3	119.3	15177.0	125.0	-66.2	99.9	268-3	25.4	25.4	0.7	375.1	999.9	99.9	999.9	<b>55</b> <sub>0</sub> 5	79.
53.8	128-0	16519.5	100.0	-70.0	99.9	259.0	20.8	20.4	4.0	392.5	999.9	99.9	999.9	61.5	
59.0	137.3	19239.6	75.0	-68.5	99.9	245e5	9•5	8.6	<b>J</b> 3• 9	429.3	999.9	99.9	999.9	65.2	79.
66.6	147.5	20716.0	50.0	-61.7	59.9	22.4	3.6	-1.4	7-3.4	498.2	999.9	99.9	999.9	67.4	80.
78. 3	158.5	25151.8	25.0	-51.3	99.9	48.7	6.1	-4.6	-4.0	637.3	999.9	99.9	999.9	65. 5	81.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NC. 260 STEPHENVILLE. TEX

24 APRIL 1975 2015 GMT

TIME															
	CNTCT	HE I GHT	PRES	TEMP	DEW PT.	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GP <b>M</b>	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	9.5	399•0	963.4	30.1	18.5	190.0	7.5	1.3	7.4	308.5	347.2	14.1	50.0	0.0	G.
99.		99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999: 9	999.
99.	9 99.9	99.9	975.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	999.9	99.9	<del>9</del> 99•9	<b>599.</b> 9	999.
0.	5 10.5	523.9	950.0	27.5	15.6	181.0	9.7	0.2	9.7	306.7	339.3	11.9	48.3	0 . 4	1.
1.	5 12.9	756.9	925.0	24.4	13.8	188.0	11.7	1.6	11.6	305.8	335.4	10.8	51.4	C. 9	1.
2.	2 15.2	998.5	900.0	22.0	13.4	199.3	11.3	3.7	10.0	305.6	335.3	10.6	58.3	1.4	6.
2.	9. 17.5	1242-5	875.0	19.5	12.9	200.7	10.3	3.6	9.6	305.5	335.1	10.8	65.5	1.9	10.
3.1	20.0	1491.5	850.0	16.9	12.8	202.4	11.1	4.2	10.2	305.4	335.6	11-1	76.8	2.4	12.
4.1	8 22.4	1746.3	825.0	14.8	12.7	213.6	10.9	6.0	9.1	305.7	336.7	11.3	87.4	3.0	
. 6.	25.0	2007.7	800.0	16.5	7.4	216.2	7.3	4.3	5.9	309.8	332.9	8. 1	54.8	3. 5	20.
7.	27.4	2277.3	775.0	14.2	5.3	201.0	7.9	2.8	7.4	310.0	330.7	7.2	54.9	4.2	
de	0 30.2	2553.4	750.0	11.9	5.2	218.3	7.8.	4.8	6.1	310.5	331.8	7 <sub>0</sub> 5	63.8	4.5	
8.	33.0	2836.9	725.0	10.3	2.8	238.5	11.4	9.8	6.0	311.6	330.4	6.5	59.4	5.0	24.
9.	35.7	3129.4	700.0	10.0	0.4	236.8	15.1	12.7	8.J	314.3	331.0	5.6	51.2	5.6	29.
10.	6 38,5	3430.9	675.0	7.9	-0.2	231.7	17.1	13.5	10.6	315.2	331.8	5.6	56.7	ۥ4	34.
11 •	7 41.3	3741.4	650.0	5.5	-1.6	225.5	19.3	13.7	13.5	315.8	331.5	5.3	60.4	7. 5	
12.	7 44.3	4060.9	625.0	2.8	-5.8	225.5	19.8	14.1	13.9	316.2	328.2	4.0	52.8	8.7	
13-	3 47.4	4389.9	600.0	0.1	-12.2	224.6	20.3	14.3	14.5	316.5	324.3	2.5	39.1	10.0	
14.	9 50.4	4729.2	575.0	-2.7	-15-1	223.6	20.6	14.2	14.9	317.1	323.6	2.0	37.6	11.3	
16.	53.6	5079.5	550.0	-6.1	-15.8	226.7	20.7	15.1	14.2	317.0	323.4	2.0	45.9	12.8	
17.	3 56.6	5441.7	525.0	-9.2	-18.0	233.8	21.2	17.1	12.5	317.5	323.1	1.8	48.9	14.3	
18+	5 60.3	5816.6	500.0	-12.7	-20.0	237.9	23.3	19.7	12.4	317.7	322.8	1.6	53.9	15.8	
19.	63.6	6205.6	475.0	-16.0	-43.2	243.2	22.9	20.4	10.3	318.3	320.4	0.7	28.9	17.5	43.
21.	2 67.0	6611.4	450.0	-17.8	-61.2	246.3	22.3	20.4	9.0	320.8	320.9	0.0	1.0	19.2	4.5.
22.	5 7C.6	7037.0	425.0	-20.3	-62.9	246.0	24.6	22.5	10.0	322.8	322.9	0.0	1.0	21.1	47.
23.	9 74.3	7482.5	400.0	-24.1	-65.3	248.4	26.9	25.0	9.9	323.6	323.7	0.0	1.0	23. 1	49.
25.	78.3	7949.4	375.0	-28.2	-68.0	251.8	25.9	24.6	8.1	324.2	324.3	0.0	1.0	25. 5	51.
27.	0 82.4	8440-2	350.0	-32.4	-70.8	254.9	24.5	23.6	6.4	324.9	325.0	0.0	1.0	27.6	53.
28.	5 86.5	8958.9	325.0	-36.0	-49.5	253.8	34.1	32.7	S. 5	327.0	327.5	0.1	23.4	30-1	5.5.
30.	2 91.2	9510.4	300.0	-39.6	99.9	259.0	36.4	35.8	7.0	329.5	999.9	99.9	999.9	33.1	57.
31.	8 95.8	10100.3	275e0	-43.7	99.9	253.5	41.5	39.8	11.8	331.9	999.9	99.9	999.9	36.8	59.
33.	8 1CC.8	10734.4	250.0	-48.6	99.9	253.6	42.4	40.7	11.9	333.8	999.9	99.9	999.9	41.7	61.
35 •	8 106.3	11418.1	225.0	-54.3	99.9	260.8	43.4	42.8	6.9	335.3	959.9	99.9	999.9	45.9	62.
38.	1 112.0	12162.8	200.0	-60-1	99.9	257.0	56.2	54.8	12.7	337.6	999.9	99.9	999.9	53.0	65.
40.	4 118-3	12984.8	175.0	-65.5	99.9	266.4	55.9	55.8	3.5	341.8	999.9	99.9	999.9	60.4	67.
43.		13929.0	150.0	-62.8	59.9	255.7	38.7	37.5	9.5	361.9	999.9	99.9	999.9	67.4	69.
46.		15053-9	125.0	-62.0	99.9	260.0	26.5	26.1	4.6	362.6	999.9	99.9	999.9	75.0	70.
50.		16426.0	100.0	-62.7	99.9	249.0	25.4	23.7	9.1	406.5	999.9	99.9	999.9	81.8	70.
56.		13171.5	75.0	-66.7	99.9	262.4	11.8	11.7	1.6	433.2	999.9	99.9	999.9	85.4	71.
63.		20676.3	50.0	-59.1	99.9	268.3	4.7	4.7	0.1	504.3	999.9	99.5	999.9	886 4	72.
75.4		25136.5	. 25.0	-50.4	99.9	51.0	6.9	-5.4	-4.4	640.1	999.9	99.9	999.9	88. 5	73.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG • BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED • BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 261 DEL RID. TEX

24 APRIL 1975 2015 GMT

160 19. 0 PRES CEW PT U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT HEIGHT TEMP DIR SPEED MIN GFM MB DG C DG C ÐG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 307.0 54.0 0.0 0. 0.0 9.0 314.0 972.1 29.4 19.1 130.0 2.6 -2.0 1.7 346.6 14.5 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 999.9 999. 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.7 99.9 999.9 99.5 999.9 57.9 0.2 315. 0.7 11.0 518.2 950.0 26.5 17.5 118.3 3.6 -3.2 1.7 305.9 342.4 13.4 13.5 753.2 925.0 24.3 16.8 105.9 4.0 -3.8 1.1 305.9 341.7 13.1 63.1 0.4 304. 1.7 0.5 294. 2.5 15.8 992.9 900.0 22.4 16.5 66.5 2.8 -2.6 -1.1 306.4 342.7 13.3 69.5 0.6 254. 3.3 18.4 1237.7 875.0 20.2 15.7 30.9 2.3 -1.2 -2.0 306.6 342.0 13.0 75.4 0.6 273. -3.4 310.0 49.7 4.0 20.8 1488.7 850.0 21.5 10.5 320.5 4.5 2.8 336.7 9.5 330.0 34.4 0.4 242. 298.6 -3.2 311.4 4.9 23.4 1747.6 825.0 20.7 4.4 6.7 5.9 6.4 0.2 171. 312.4 321.9 17.6 5.9 25.9 2012.6 800.0 19.5 -5.8 243.4 3.6 3.2 1.6 3. I 775.0 99.9 99.9 999.9 999. 6.8 28.7 2284.6 18.2 -13.9 999.9 99.9 313.6 318.9 1.7 9.9 999. 9 999. 7.8 3164 2563.9 750.0 16.4 -15.1 999.9 99.9 99.9 99.9 314.6 319.6 1.6 10.1 725.0 270.3 16.5 16.5 -0.1 316.5 321 .4 1.5 10.2 2.3 193. 8.8 34.3 2851.2 15.4 -15.8 700.0 -17.2 255.8 12.5 12.1 3. 1 317.4 322.0 1.4 10.4 3.1 98. 9.8 36.9 3146.9 13.3 -19.0 317.6 321.7 1.3 10.7 3.7 92. 675.0 10.5 238.3 11.5 9.8 6.1 10.8 39. 9 3450-8 11.9 317.8 321.5 10.9 86. 42.7 3763.1 650.0 7.7 -20.9 228.1 11.9 8.9 8.0 1.1 4.3 625.0 7.9 314.4 323.0 16.3 80. 13.0 45.8 4.084.4 5.0 -18.4 221.9 11.8 8.8 1.4 5.0 24.2 74. 600.0 9.9 9.9 318.5 324.1 1.8 5.6 14.2 48.9 4415.5 1.9 -16.4 225.1 14.0 71. 24.9 6.5 15.2 51.8 4757.0 575.0 -0.5 -18.2 237.5 16.6 14.0 8.9 319.6 324.7 1.6 7.7 70. 20.2 5110.8 247.1 17.7 7.5 321.0 324.8 1.1 16.3 55.0 550.0 -2.7 -22.4 19.2 20.5 70. 17.4 5477.6 525.0 -32.0 252.2 21.5 6.6 322.0 323.6 0.5 10.0 9.1 50. 3 -5.3 71. -27.5 322.5 325.2 0.8 20.0 10.8 18.7 61.6 5858.1 500.0 -8.7 258.8 22.0 21.6 4.3 23.8 20.1 65.1 6253.1 475.0 -11.7 -27.3 262.2 24.0 3.3 323.6 326.5 0.9 25.9 12.6 72. 21.4 68.5 6665.8 450.0 -14.0 -28.8 260.1 24.7 24.3 4.2 325.7 328 .4 0.8 27.1 14.7 73. 22.9 7097.4 425.0 -16.4 -37.4 22.9 327.9 329.2 0.4 14.3 16.7 74. 71.9 255.2 23.7 6.1 47.6 74. 24.4 75.7 7550.1 400.0 -20.0 -28.3 256.7 23.2 22.6 5.3 329.0 332.2 0.9 18.7 79.7 375.0 -23.6 330.3 333.0 0.7 49.4 21.1 75. 25.8 8025.3 -31.2 266.0 28.6 28.6 2.0 27.2 -27.7 331.4 333.2 45.0 23.3 76. 83.5 8525.8 350.0 -35.9 265.4 28.7 28.6 ž, 3 0.5 28.7 87.5 9054.3 325.0 -31.6 -41.6 261.6 29.4 29.1 4.3 333.1 334.2 0.3 36.2 25.9 77. 334.7 33.2 77. 30.5 92.0 9614.5 300.0 -36.4 -46.7 259.4 29.7 29.2 5.5 334.0 0.2 29.1 32.3 96.6 19212.3 275.0 -41.1 99.9 257.8 31.6 30.9 6.7 335.7 999.9 99.9 999.9 32.5 77. 77. 34.3 101.3 10853.0 250.0 -46.0 99.9 257.8 31.6 30.9 6.7 337.7 999.9 99.9 999.9 36.4 36 . 6 106.6 11544.6 225.0 -52.0 99.9 262.8 35.6 35.3 4.4 338.9 999.9 99.9 999.9 46.9 78. 35.9 112.0 12296.3 200.0 -58.0 99.9 259.5 43.1 42.4 7.8 340.9 999.9 99.9 999.9 46.1 78. 118.0 13123.6 175.0 7.6 999.9 99.9 999.9 53.4 78. 4107 -65.0 99.9 260.1 44.3 43.7 342.6 125.0 14051.7 39.5 356.0 999.9 99.9 999.9 61.3 80. 44.7 150.0 -66.3 99.9 277.7 39.9 -5.3 15156.6 125.0 -65.8 99.9 254.1 25.2 24.2 6. 9 375.8 999.9 99.9 999.9 67.4 80. 48.1 132.0 52.3 139.3 16506.5 100.0 99.9 255.3 21.9 21.2 5.5 397.5 999.9 99.9 999.9 73.3 79. -67.4 79. 57.7 147.3 19228.9 75.0 -69.1 99.9 277.2 9.9 9.8 -1.2 428.1 999.9 99.9 999.9 78.9 65.0 156.3 20716.9 50.0 -59.8 99.9 279.6 5.9 5.8 -1.0 502.7 999.9 99.9 999.9 81.6 80.

-51.0

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>+</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NU. 265 MIDLAND. TEX

24 APRIL 1975 2015 GMT

158 16. 0

0.0 12.0 673.0 011.3 31.1 -1.6 280.0 7.2 7.1 -1.3 313.0 324.2 3.7 12.0 0.0 0.0 0.9 99.9 99.9 99.9 99.9 99.9		TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
99,9 99,9 99,9 99,0 95,0 99,9 99,9 99,9		MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	КМ	DG	
99,9 99,9 99,9 99,0 95,0 99,9 99,9 99,9		0.0	12.0	873.0	911.3	31.1	-1.6	280.0	7.2	7.1	-1.3	313.0	324.2	3.7	12.0	0.0	0.	
99,9 99,9 99,9 99,9 99,9 99,9 99,9 99,						99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
\$\frac{\chi_{0}}{\chi_{0}}\$ & \frac{\chi_{0}}{\chi_{0}}\$ & \frac{\chi_{0}}								99.9										
90.9 90.9 90.0 925.0 90.9 90.0 90.0 90.0 90.0 90.0 90.0 9			99.9				99.9	99.9	99.9	99.9	55.9		999.9	99.5		999. 7	999.	
0.2 13,0 984.1 900.0 29.0 0.1 999.9 99.9 99.9 99.9 312.0 324.8 4.3 15.4 999.9 99.9 0.8 15.2 122.6 875.0 22.7 -2.3 999.9 99.9 99.9 99.9 99.9 111.0 322.1 3.7 15.6 999.9 99.9 99.9 111.0 322.1 3.7 15.6 999.9 99.9 99.9 111.0 322.1 3.7 15.6 999.9 99.9 99.9 111.0 322.1 3.7 15.6 999.9 99.9 99.9 111.0 322.1 3.7 15.6 999.9 99.9 99.9 111.0 322.1 3.3 15.8 999.9 99.9 99.9 99.9 311.0 322.1 3.3 15.8 999.9 99.9 99.9 99.9 111.0 322.1 3.3 15.8 999.9 99.9 99.9 99.9 111.0 322.1 3.3 15.8 999.9 99.9 99.9 99.9 99.9 99.9 99.9					925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	959.9	99.9	999.9	999. 9	999.	
0.8. 15,2 1232.6 075.0 25.7 -2.3 999.0 99.9 99.9 50.9 311.0 322.1 3.7 15.6 999.9 99.9 1.6 174 1465.0 850.0 23.4 -4.0 999.0 99.9 99.9 50.9 311.1 321.1 32.3 15.8 999.9 999.9 99.9 31.1 321.1 32.3 15.8 999.9 999.9 99.9 31.1 321.1 32.1 32.3 15.8 999.9 999.9 99.9 31.1 321.1 32.1 32.3 15.8 999.9 999.9 99.9 31.1 321.1 321.1 32.3 15.8 999.9 999.9 99.9 31.1 321.1 321.1 32.3 15.8 999.9 999.9 99.9 99.9 31.1 321.1 321.1 32.3 15.8 999.9 999.9 99.9 99.9 31.1 321.1 321.1 32.3 15.8 999.9 999.			13.0	984-1	900.0	29.0	0.1	999.9	99.9	99.9	99.9	312.0	324.8	4.3	15.4	999.9	999.	
19-6		C. S.		1232.6	875.0	25.7	-2.3	999.9	99.9	99.9	59.9	311.0	322.1	3.7	15.6	999.9	999.	
22.0 2008.5 800.0 18.3 -7.6 272.7 6.0 6.0 -0.3 311.0 318.3 2.4 16.2 1.8 67. 5.9 24.4 2278.8 775.0 15.7 -9.7 269.9 5.0 5.0 0.0 311.0 318.3 2.4 16.4 2.2 87. 6.8 26.7 2555.3 750.0 13.2 -11.6 263.1 5.7, 5.7 0.7 311.1 317.6 2.1 16.6 2.5 89. 7.7 29.3 2831.6 725.0 10.3 -13.8 260.3 6.2 6.1 1.0 311.0 316.7 1.8 16.8 2.8 87. 8.6 32.3 3128.7 700.0 7.8 -15.7 251.8 7.7 7.3 2.4 311.3 316.3 1.6 16.9 3.1 96. 9.5 34.7 3427.7 675.0 6.7 -10.6 250.2 11.1 10.5 3.8 313.3 318.2 1.5 17.0 3.0 83. 10.5 37.2 3736.3 650.0 4.4 -10.3 253.9 14.2 13.6 3.9 314.1 318.6 1.4 17.2 4.3 81. 11.4 40.0 4053.8 625.0 1.7 -20.4 258.3 15.8 15.8 15.5 3.2 314.6 318.5 1.2 17.4 5.2 80. 13.7 45.7 4719.8 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80. 14.9 48.9 571.5 55.0 -4.1 -27.3 249.3 249.2 22.6 8.5 319.3 312.8 0.7 14.3 9.4 70. 16.2 11.6 5436.6 525.0 -6.8 -29.3 246.6 26.2 24.1 10.4 320.3 322.5 0.6 14.5 11.4 77. 18.3 58.4 620.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 14.8 13.5 17.0 14.5 17.5 18.3 58.1 58.1 17.0 17.5 18.3 18.3 18.3 18.5 12.2 17.9 3.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2.2		1.8	17.4	1486.0	850.0	23.4	-4.0	999.9	99.9	99.9	99.9	311.1	321.1	3.3	15.8	999. 9	999.	
5.9 24.4 227e.8 775.0 15.7 -9.7 269.9 5.0 5.0 0.0 311.0 318.3 2.4 16.4 2.2 87. 6.8 26.7 2555.3 750.0 13.2 -11.6 263.1 5.7, 5.7 0.7 311.1 317.6 2.1 16.6 2.5 86. 7.7 29.3 2838.6 725.0 10.3 -13.8 260.3 0.2 6.1 1.0 311.0 316.7 1.8 16.8 2.8 87. 8.6 32.0 3122.7 700.0 7.8 -15.7 251.8 7.7 7.3 2.4 311.3 316.3 1.6 16.9 3.1 86. 9.5 34.7 3427.7 675.0 6.7 -10.6 250.2 11.1 10.5 1.8 313.3 318.2 1.5 17.0 3.0 83. 10.5 37.2 3736.3 650.0 4.4 -10.3 253.9 14.2 13.6 3.9 314.1 318.6 1.4 17.2 4.3 81. 11.4 40.0 4053.8 625.0 1.7 -20.4 258.3 15.6 15.5 3.2 314.6 318.5 1.2 17.4 5.2 80. 12.5 42.8 4381.2 600.0 -0.8 -24.4 259.9 18.2 17.9 3.2 315.3 318.2 0.9 14.7 6.3 80. 13.7 45.7 4719.8 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80. 14.9 48.9 5071.5 550.0 -4.1 -27.3 249.3 24.2 22.6 8.5 319.3 321.6 0.7 14.3 9.4 77. 17.5 54.3 5815.1 500.0 -9.7 -31.5 246.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75. 18.3 58.1 6209.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 328.3 0.5 14.8 13.5 75. 20.1 6.1 6.6 6.5 5.5 0.0 -4.1 -33.6 247.8 25.8 23.9 9.7 322.7 328.3 0.5 15.0 15.6 74. 21.3 65.1 7047.8 425.0 -19.1 -38.8 246.5 246.5 246.6 2.4 10.6 323.7 325.1 0.5 14.8 13.5 75. 22.7 68.7 749.0 40.0 -30.0 -30.1 -30.0 247.8 25.8 27.6 6.1 32.5 32.0 0.9 15.0 15.6 74. 22.5 68.7 72.9 796.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.7 5.0 328.1 32.0 0.9 15.0 15.6 74. 22.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.9 29.8 74. 32.8 65.0 10767.6 250.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 32.8 65.0 10767.6 250.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.9 99.9 99.9 99.9 99.9 99.9 99.9 9		3.4	19.8	1744.4	825.0	20.6	-6.0	264.7	6.8	ۥ 8	0.6	310.8	319.7	3.0	16.0	1.3	86.	
6.8 26.7 2555.3 750.0 13.2 -11.6 263.1 5.7, 5.7 0.7 311.1 317.6 2.1 16.6 2.5 88.2 87.7 729.3 2238.6 725.0 10.3 -13.8 260.3 6.2 6.1 1.0 311.0 311.6 7 1.8 16.8 2.8 87.8 88.2 88.2 88.2 88.2 88.2 88.		4.5	22.0	2008.5	800.0	18.3	-7.8	272.7	6.0	6.0	-0.3	311.0	319.1	2.7	16.2	1.8	87.	
8.6 32.0 3128-7 700.0 7.8 -15.7 251.8 7.7 7.3 2.4 311.0 316.7 1.8 16.8 2.8 87.  8.6 32.0 3128-7 700.0 7.8 -15.7 251.8 7.7 7.3 2.4 311.3 316.3 1.6 16.9 3.1 86.  9.5 34.7 3227.7 675.0 6.7 -10.0 250.2 11.1 10.5 3.8 313.3 318.2 1.5 17.0 3.0 83.  10.5 37.2 3736.3 650.0 4.4 -10.3 253.9 14.2 13.6 3.9 314.1 318.6 1.4 17.2 4.3 81.  11.4 40.0 4053.8 625.0 1.7 -20.4 258.3 15.8 15.5 3.2 314.6 318.5 1.2 17.4 5.2 80.  12.5 42.8 4381.2 600.0 -0.8 -24.4 259.9 18.2 17.9 3.2 315.3 318.2 0.9 14.7 6.3 80.  13.7 45.7 4719.8 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80.  14.9 48.9 5071.5 550.0 -4.1 -27.3 249.3 24.2 22.6 8.5 319.3 321.6 0.7 14.3 9.4 77.  16.2 21.6 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3	•	5.9	24-4	2278.5	775.0	15.7	-9.7	269.9	5.0	5.0	0.0	311.0	318 • 3	2.4	16.4	2.2	87.	
8.6		6 · B	26.7	2555.3	750.0	13.2	-11.6	263-1	5.7,	5.7	0.7	311.1	317.6	2.1		2.5	89.	
9.5 34.7 3427.7 675.0 6.7 -10.6 250.2 11.1 10.5 3.8 313.3 318.2 1.5 17.0 3.6 83. 10.5 37.2 3736.3 650.0 4.4 -18.3 253.9 14.2 13.6 3.9 314.1 318.6 1.4 17.2 4.3 81. 11.4 40.0 4053.8 625.0 1.7 -20.4 258.3 15.8 15.5 3.2 314.6 318.5 1.2 17.4 5.2 80. 12.5 42.8 4381.2 600.0 -0.8 -24.4 259.9 18.2 17.9 3.2 315.3 318.2 0.9 14.7 6.3 80. 13.7 45.7 4719.8 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80. 14.9 48.9 5071.5 550.0 -4.1 -27.3 249.3 24.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79. 16.2 51.6 5435.6 525.0 -6.8 -29.3 24.6 20.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79. 17.5 54.9 5815.1 500.0 -9.7 -31.5 246.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75. 18.3 56.1 607.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 15.0 15.6 74. 20.1 61.6 6615.6 450.0 -15.5 -36.0 246.5 26.6 2.4 10.6 323.7 325.1 0.4 15.3 17.4 73. 21.3 65.1 7047.8 425.0 -19.1 -38.8 245.9 27.4 25.7 5.4 324.4 325.6 0.3 15.6 15.0 15.6 74. 22.7 76.7 496.0 375.0 -22.7 -41.5 253.7 26.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73. 24.0 72.3 7966.0 375.0 -20.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 8401.0 350.0 -30.1 -47.4 259.4 30.2 27.5 5 328.1 329.1 329.5 0.1 16.5 26.8 73. 27.1 86.7 8923.6 325.0 -34.5 -50.9 26.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 25.8 73. 27.1 86.7 8923.6 325.0 -34.5 -50.9 26.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 25.8 73. 35.0 76.4 8401.0 350.0 -38.5 -54.1 255.5 37.3 36.6 0.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 85.8 10131.4 275.0 -42.3 99.9 255.2 40.8 30.5 10.4 334.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		7.7	29.3	2838+6	725.0	10.3	-13.8	260.3	6.2	6.1	1.0	311.0		1.8	16.8	2.8	870	
10.5 37.2 3736.3 650.0 4.4 -10.3 253.9 14.2 13.6 3.9 314.1 318.6 1.4 17.2 4.3 81.  11.4 40.0 4053.8 625.0 1.7 -20.4 258.3 15.8 15.5 3.2 314.6 318.5 1.2 17.4 5.2 86.  12.5 42.8 4381.2 600.0 -0.8 -24.4 259.9 18.2 17.9 3.2 315.3 318.2 0.9 14.7 6.3 80.  13.7 45.7 4719.8 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80.  14.9 48.9 5971.5 550.0 -4.1 -27.3 249.3 249.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79.  16.2 51.6 5436.6 525.0 -6.8 -20.3 246.6 26.2 24.1 10.4 320.3 322.5 0.6 14.5 11.4 77.  17.5 54.9 5815.1 500.0 -9.7 -31.5 248.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75.  18.3 58.1 6207.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 14.8 13.5 75.  18.3 58.1 6207.0 475.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 324.3 0.5 15.0 15.6 74.  20.1 61.6 6619.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73.  21.3 65.1 7047.8 425.0 -19.1 -38.8 249.9 27.4 25.7 54.3 324.4 325.6 0.3 15.6 19.5 73.  22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 26.8 27.6 6.1 325.5 326.4 0.2 15.9 21.8 73.  22.0 72.3 7966.0 375.0 -20.2 -44.3 325.4 30.2 20.7 5.5 328.1 328.7 0.1 16.5 26.8 73.  23.9 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 20.7 5.5 328.1 328.7 0.1 16.5 26.8 73.  23.9 65.7 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 20.7 5.5 328.1 328.7 0.1 16.5 26.8 73.  23.9 65.7 953.8 4300.0 -38.5 -50.9 261.8 33.4 33.1 4.8 329.1 328.7 0.1 16.5 26.8 73.  23.9 65.0 10.767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		8.6	32.0	3128.7	700.0	7.8	-15.7		. 7.7		2.4					3. 1	86.	
11.0 40.0 4053.8 625.0 1.7 -20.4 258.3 15.0 15.5 3.2 314.6 318.5 1.2 17.4 5.2 80.  12.5 42.8 4281.2 600.0 -0.8 -24.4 259.9 18.2 17.9 3.2 315.3 318.2 0.9 14.7 6.3 80.  13.7 45.7 4719.6 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80.  14.9 48.9 5071.5 550.0 -4.1 -27.3 249.3 24.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79.  16.2 51.6 5436.6 525.0 -6.8 -29.3 246.6 26.2 24.1 10.4 320.3 322.5 0.6 14.5 11.4 77.  17.5 54.3 5815.1 500.0 -9.7 -31.5 246.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75.  18.3 56.1 6209.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 15.0 15.6 74.  20.1 61.6 6619.6 450.0 -15.5 -35.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73.  21.3 65.1 7047.8 425.0 -19.1 -38.8 249.9 27.4 25.7 9.4 324.4 325.6 0.3 15.6 19.5 73.  24.0 72.3 7966.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73.  25.5 76.4 8661.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73.  27.1 86.7 6993.6 325.0 -34.5 -50.9 261.8 31.4 33.1 4.8 329.1 329.5 0.1 16.5 26.8 73.  28.9 65.2 9538.4 300.0 -38.5 -50.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75.  30.8 89.8 10131.4 275.0 -42.3 99.9 257.6 40.8 39.5 10.4 334.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		9.5		3427.7		6.7	-16.6			10.5		313.3	318.2	1.5		3. 6	-	
12.5 42.8 4381.2 600.0 -0.6 -2.4 259.7 18.2 17.9 3.2 315.3 318.2 0.9 14.7 6.3 60.  13.7 45.7 4719.8 575.0 -2.5 -25.4 254.8 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80.  14.9 48.9 5071.5 550.0 -4.1 -27.3 249.3 24.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79.  16.2 11.6 5436.6 525.0 -6.8 -29.3 246.6 26.2 24.1 10.4 320.3 322.5 0.6 14.5 11.4 77.  17.5 54.9 5815.1 500.0 -9.7 -31.5 248.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75.  20.1 61.6 6619.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 324.3 0.5 15.0 15.6 74.  20.1 61.6 6619.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73.  21.3 65.1 7047.8 425.0 -19.1 -38.8 249.9 27.4 25.7 9.4 324.4 325.6 10.3 15.6 19.5 73.  22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 26.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73.  24.0 72.3 7966.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73.  25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 329.5 0.1 16.9 29.8 73.  27.1 8G.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 73.  27.1 8G.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74.  28.8 95.2 9538.4 300.0 -36.5 -54.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75.  32.8 95.0 10767.6 250.0 -48.0 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 99.9 99.9 99.9 99.9 99.9		10.5	37.2	3736.3	650.0	4.4	-10.3	253.9	14.2	13.6	3.9	314.1	318.6	1.4	17.2		81.	
13.7 45.7 4719.8 575.0 -2.5 -25.4 2548 22.0 21.2 5.7 317.2 320.0 0.8 15.2 7.7 80. 14.9 48.9 5071.5 550.0 -4.1 -27.3 249.3 249.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79. 16.2 51.6 5436.6 525.6 -6.8 -20.3 246.6 26.2 24.1 10.4 320.3 322.5 0.5 14.5 11.4 77. 17.5 54.9 5815.1 500.0 -9.7 -31.5 248.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75. 18.3 58.1 6207.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 15.0 15.6 75. 20.1 61.6 6617.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73. 21.3 65.1 7047.8 425.0 -19.1 -38.8 246.9 27.4 25.7 5.4 324.4 325.6 0.3 15.6 19.5 73. 22.7 68.7 7496.0 300.0 -22.7 -41.5 253.7 28.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73. 24.0 72.3 796.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 86.7 8982.6 325.0 -34.5 50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 25.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 255.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 32.8 55.0 10767.6 250.0 -48.0 99.9 255.2 40.8 39.5 10.4 334.0 99.9 99.9 99.9 99.9 99.9 37.8 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 255.2 40.8 39.5 10.4 33.6 99.9 99.9 99.9 99.9 99.9 99.9 99.9		11.4	40.0	4053.8	625+0	1.7	-20.4	258.3	15.8	15.5	3.2	314.6	318.5	1.5	17.4	5.2	80.	
14.9 4.9 5071.5 550.0 -4.1 -27.3 249.3 24.2 22.6 8.5 319.3 321.8 0.7 14.3 9.4 79.  16.2 11.6 5436.6 525.6 -6.8 -29.3 246.6 26.2 24.1 10.4 320.3 322.5 0.5 14.5 11.4 77.  17.5 54.9 5615.1 500.0 -9.7 -31.5 248.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75.  18.3 56.1 6209.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 15.0 15.6 74.  20.1 61.6 6619.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73.  21.3 65.1 7047.8 425.0 -19.1 -38.8 245.9 27.4 25.7 9.4 324.4 325.6 0.3 15.6 19.5 73.  22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 28.8 27.6 8.1 325.5 320.4 0.2 15.9 21.8 73.  24.0 72.3 7966.0 375.0 -26.2 -44.3 254.7 31.3 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73.  27.1 86.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 328.7 0.1 16.5 26.8 73.  27.1 86.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 25.8 74.  28.9 85.2 9538.4 300.0 -38.5 -54.1 255.3 7.3 36.6 6.8 331.0 331.3 0.1 17.9 25.8 75.  32.8 95.0 10767.6 250.0 -48.0 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 99.9 99.9 99.9 99.9 99.9		12.5	42.8	4381.2	600.0	-0.6	-24.4	259.9	18.2	17.9	3.2	315.3		0.9		6.3		
16.2 \$1.6 \$436.6 \$25.0 \$-6.8 \$-29.3 \$246.6 \$26.2 \$24.1 \$10.4 \$320.3 \$32.5 \$0.5 \$14.5 \$11.4 \$77.17.5 \$54.9 \$5815.1 \$500.0 \$-9.7 \$-31.5 \$248.2 \$26.8 \$24.9 \$9.9 \$321.2 \$323.1 \$0.5 \$14.8 \$13.5 \$75.18.3 \$24.1 \$25.8 \$23.9 \$9.7 \$32.7 \$324.3 \$0.5 \$15.0 \$15.6 \$74.2 \$20.1 \$21.6 \$6015.6 \$450.0 \$-15.5 \$-36.0 \$246.5 \$26.6 \$24.4 \$10.6 \$323.7 \$325.1 \$0.4 \$15.3 \$17.4 \$73.2 \$21.3 \$25.1 \$7047.8 \$425.0 \$-19.1 \$-38.8 \$24.9 \$27.4 \$25.7 \$9.4 \$324.4 \$325.6 \$0.3 \$15.6 \$19.5 \$73.2 \$22.7 \$68.7 \$7496.0 \$400.0 \$-22.7 \$-41.5 \$253.7 \$28.8 \$27.6 \$8.1 \$325.5 \$326.4 \$0.2 \$15.9 \$21.8 \$73.2 \$24.7 \$40.0 \$350.0 \$-30.1 \$-47.4 \$259.4 \$30.2 \$29.7 \$5.5 \$328.1 \$328.7 \$0.1 \$16.5 \$26.8 \$73.2 \$25.5 \$76.4 \$8461.0 \$350.0 \$-30.1 \$-47.4 \$259.4 \$30.2 \$29.7 \$5.5 \$328.1 \$328.7 \$0.1 \$16.5 \$26.8 \$73.2 \$25.5 \$76.4 \$8461.0 \$350.0 \$-30.1 \$-47.4 \$259.4 \$30.2 \$29.7 \$5.5 \$328.1 \$328.7 \$0.1 \$16.5 \$26.8 \$73.2 \$27.1 \$80.7 \$992.6 \$325.0 \$-38.5 \$-50.9 \$261.8 \$33.4 \$33.1 \$4.8 \$329.1 \$329.5 \$0.1 \$16.9 \$29.8 \$74.2 \$29.9 \$25.2 \$40.8 \$39.5 \$10.4 \$334.0 \$99.9 \$99.9 \$99.9 \$99.9 \$37.8 \$75.3 \$36.0 \$100.2 \$11455.2 \$255.0 \$-53.1 \$99.9 \$257.6 \$42.3 \$40.8 \$39.5 \$10.4 \$334.0 \$99.9 \$99.9 \$99.9 \$99.9 \$99.9 \$99.9 \$76.0 \$37.4 \$10.0 \$1202.7 \$200.0 \$-59.5 \$99.9 \$250.0 \$40.8 \$39.5 \$10.4 \$334.0 \$99.9 \$99.9 \$99.9 \$99.9 \$99.9 \$99.9 \$76.0 \$37.4 \$10.0 \$337.1 \$10.2 \$33.5 \$75.0 \$37.3 \$36.6 \$6.8 \$331.0 \$331.3 \$0.1 \$17.2 \$33.5 \$75.3 \$35.0 \$10.2 \$11455.2 \$25.0 \$-53.1 \$99.9 \$250.0 \$40.8 \$39.5 \$10.4 \$334.0 \$99.9		13.7	45.7	4719.8	575.0	-2.5	-25.4	254.8	22.0	21.2	5.7	317.2				7.7	80.	
17.5 54.9 5815.1 500.0 -9.7 -31.5 246.2 26.8 24.9 9.9 321.2 323.1 0.5 14.8 13.5 75. 10.3 56.1 6209.0 475.0 -12.4 -33.6 247.8 25.8 23.9 9.7 322.7 324.3 0.5 15.0 15.6 15.0 15.6 74. 20.1 61.6 6619.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73. 21.3 65.1 7047.8 425.0 -19.1 -38.8 249.9 27.4 25.7 5.4 324.4 325.6 10.3 15.6 19.5 73. 22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 28.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73. 24.0 72.3 7966.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 86.7 9963.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 999		14.9	40.9	5071.5	550.0	-4.1	-27.3		24.2	22.6	8.5			0.7		9.4	-	
18.5		16.2	51.6	5436.6	525.0	-6.8	-29.3	246.6	26.2	24.1	10.4	320.3	322.5	0.5	14.5	11.4	77.	
20.1 61.6 6619.6 450.0 -15.5 -36.0 246.5 26.6 24.4 10.6 323.7 325.1 0.4 15.3 17.4 73. 21.3 65.1 7047.8 425.0 -19.1 -38.8 245.9 27.4 25.7 9.4 324.4 325.6 0.3 15.6 19.5 73. 22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 26.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73. 24.0 72.3 796.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 86.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 28.9 85.2 9538.4 30.0 -38.5 -54.1 255.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 99.9 99.9 37.8 75. 32.8 95.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 99.9 99.9 79.9 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 258.1 45.2 44.3 9.1 334.6 999.9 99.9 99.9 99.9 76. 37.4 100.0 1202.7 200.0 -59.5 99.9 258.1 45.2 44.3 9.3 337.1 99.9 99.9 99.9 99.9 99.9 76. 37.4 100.0 1202.7 200.0 -59.5 99.9 258.0 49.2 47.7 11.9 338.5 99.9 99.9 99.9 99.9 55.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 258.9 58.14 57.0 11.2 343.6 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6 32.0 10.2 380.3 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6 32.0 10.2 380.3 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6 32.0 10.2 380.3 99.9 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6 32.0 10.2 380.3 99.9 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6 32.0 10.2 380.3 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		17.5	54.9	5815.1	500.0	-9+7	-31.5	248.2	26.8	24.9	9.9	321.2	323.1	0.5	14.8	13.5	75.	
21.3 65.1 7047.8 425.0 -19.1 -38.8 245.9 27.4 25.7 5.4 324.4 325.6 10.3 15.6 19.5 73. 22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 28.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73. 24.0 72.3 7966.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 86.10 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 80.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 255.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 99.9 99.9 99.9 99.9 99.9 37.8 75. 32.8 55.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 99.9 99.9 42.9 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 258.1 45.2 44.3 9.3 337.1 999.9 99.9 99.9 99.9 42.9 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 256.0 49.2 47.7 11.9 334.5 99.9 99.9 99.9 99.9 99.9 55.7 76. 42.9 119.3 13028.7 175.0 -64.5 99.9 258.9 58.14 57.0 11.2 333.6 99.9 99.9 99.9 99.9 99.9 99.9 99.		18.3	50.1	6209.0	475.0	-12.4	-33.6	247.8	25.8	23.9	9. 7	322,7	324.3	0.5	15.0	15.6	74.	
22.7 68.7 7496.0 400.0 -22.7 -41.5 253.7 28.8 27.6 8.1 325.5 326.4 0.2 15.9 21.8 73. 24.0 72.3 7966.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 8G.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 25.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 999.9 37.8 75. 32.8 95.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 99.9 99.9 76. 35.0 100.2 11455.2 225.0 -53.1 99.9 256.0 49.2 47.7 11.9 334.6 999.9 99.9 99.9 99.9 99.9 76. 37.4 166.0 1220.7 200.0 -59.5 59.9 256.0 49.2 47.7 11.9 338.5 99.9 99.9 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 13028.7 175.0 -64.5 99.9 258.9 58.14 57.0 11.2 343.6 99.9 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -62.4 99.9 258.9 58.14 57.0 11.2 343.6 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.64 32.0 10.2 380.3 99.9 99.9 99.9 99.9 79.8 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 257.0 250.0 10.2 50.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		20 . 1	61.6	6619.6	450.0	-15.5	-36.0	246.5	26.6	24.4	10.6	323.7	325.1	0.4	15.3	17.4	73.	
24.0 72.3 7906.0 375.0 -26.2 -44.3 254.7 31.3 30.2 8.3 326.8 327.5 0.2 16.2 24.1 73. 25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 86.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 333.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 990.9 99.9 99.9 99.9 37.8 75. 32.8 95.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 99.9 99.9 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 258.1 45.2 44.3 9.3 337.1 999.9 99.9 99.9 99.9 42.9 75. 37.4 106.0 12202.7 200.0 -59.5 99.9 258.0 49.2 47.7 11.9 338.5 999.9 99.9 99.9 99.9 99.9 70.3 76. 42.9 119.3 13028.7 175.0 -64.5 99.9 258.9 58.14 57.0 11.2 343.6 999.9 99.9 99.9 99.9 99.9 63.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 262.6 36.1* 35.8 4.7 362.6 999.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.64 32.0 10.2 380.3 99.9 99.9 99.9 99.9 70.8 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 257.0 250.0 1.2 1.2 0.2 504.1 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9		21.3	65.1	7047.8	425.0	-19.1	-38.8	245.9	27.4	25.7	9.4	324.4	325.6	10.3	15.6	19.5	73.	
25.5 76.4 8461.0 350.0 -30.1 -47.4 259.4 30.2 29.7 5.5 328.1 328.7 0.1 16.5 26.8 73. 27.1 8C.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 999.9 37.8 75. 32.8 95.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 999.9 999.9 42.9 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 258.1 45.2 44.3 9.3 337.1 999.9 99.9 999.9 999.9 48.9 76. 37.4 106.0 12202.7 200.0 -59.5 99.9 258.0 49.2 47.7 11.9 338.5 999.9 99.9 999.9 999.9 55.7 70. 39.9 112.3 13028.7 175.0 -64.5 99.9 258.9 58.1* 57.0 11.2 343.6 999.9 99.9 999.9 999.9 999.9 72.3 77. 42.9 119.3 13975.4 150.0 -62.4 99.9 258.9 58.1* 57.0 11.2 343.6 999.9 99.9 999.9 999.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6* 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.0* 22.5 4.9 401.1 999.9 99.9 999.9 999.9 79.0 77.8 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.9* 4.9 -3.2 434.6 999.9 99.9 99.9 999.9 99.0 79.0 77.6 63.6 125.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9 99.9 99.0 72.0 77.6 63.6 125.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9 99.9 99.9		22.7	68.7	7496.0	400.0	-22.7	-41.5	253.7	28.8	27.6	8. l	325.5	326.4	0.2	15.9	21.8	73,	
27.1 8C.7 8983.6 325.0 -34.5 -50.9 261.8 33.4 33.1 4.8 329.1 329.5 0.1 16.9 29.8 74. 28.9 85.2 9538.4 300.0 -38.5 -54.1 259.5 37.3 36.6 6.8 331.0 331.3 0.1 17.2 33.5 75. 30.8 89.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 999.9 99.9 999.9 37.8 75. 32.8 95.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 999.9 42.9 75. 37.4 106.0 12202.7 200.0 -59.5 99.9 258.1 45.2 44.3 9.3 337.1 999.9 99.9 999.9 48.9 76. 37.4 106.0 12202.7 200.0 -59.5 99.9 258.0 49.2 47.7 11.9 338.5 999.9 99.9 999.9 999.9 55.7 70. 39.9 112.3 13028.7 175.0 -64.5 99.9 258.0 49.2 47.7 11.9 338.5 999.9 99.9 999.9 999.9 55.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 258.0 58.1* 57.0 11.2 343.6 999.9 99.9 99.9 999.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.64 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.0* 22.5 4.9 40.1 999.9 99.9 99.9 99.9 99.9 99.9 99.9		24.0	72.3	7906.0	375.0	-26.2	-44.3	254.7	31.3	30.2	8. 3	326.8	327.5	0.2	16.2	24.1	73.	
28.9		25.5	76.4	8461.0	350.0	-30.1	-47.4	259.4	30.2	29.7	5. 5	328.1	328.7	0.1	16.5	26. B	73.	
30.8 69.8 10131.4 275.0 -42.3 99.9 255.2 40.8 39.5 10.4 334.0 99.9 99.9 99.9 99.9 37.8 75. 32.8 55.0 10767.6 250.0 -48.0 99.9 257.6 42.3 41.3 9.1 334.6 999.9 99.9 99.9 99.9 42.9 75. 35.0 100.2 11455.2 225.0 -53.1 99.9 256.1 45.2 44.3 9.3 337.1 999.9 99.9 99.9 99.9 48.9 76. 37.4 106.0 1220.7 200.0 -59.5 59.9 256.0 49.2 47.7 11.9 338.5 99.9 99.9 99.9 99.9 55.7 76. 39.9 112.3 13028.7 175.0 -64.5 99.9 258.9 58.14 57.0 11.2 343.6 99.9 99.9 99.9 99.9 65.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 258.9 58.14 57.0 11.2 343.6 99.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 262.6 36.14 35.8 4.7 362.6 999.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.64 32.0 10.2 380.3 99.9 99.9 99.9 99.9 79.8 76. 50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.0 22.5 4.9 401.1 99.9 99.9 99.9 99.9 99.9 93.0 77. 63.6 125.0 20726.1 50.0 -59.2 99.9 261.0 10.2 10.2 0.2 504.1 999.9 99.9 99.9 99.9 95.2 78.		27.1	8C.7	8983.6	325.0	-34.5	-50.9	261.8	33.4	33.1	4.8	329.1	329.5	0.1	16.9	29.8	74.	
32.8		28.9	<b>€5∙2</b>	9538.4	300.0	-38.5	-54.1	259.5	37.3	36.6	6.8	331.0	331.3	0.1	17.2	33.5	75.	
35.0 100.2 11455.2 225.0 -53.1 99.9 256.1 45.2 44.3 9.3 337.1 999.9 99.9 999.9 999.9 76. 37.4 106.0 12202.7 200.0 -59.5 99.9 256.0 49.2 47.7 11.9 338.5 999.9 99.9 999.9 999.9 55.7 76. 39.9 112.3 13028.7 175.0 -64.5 99.9 258.9 58.1* 57.0 11.2 343.6 999.9 99.9 999.9 999.9 63.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 262.6 36.1* 35.8 4.7 362.6 999.9 99.9 999.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 262.3 33.6* 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.0* 22.5 4.9 401.1 993.9 99.9 99.9 999.9 77.1 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.9* 4.9 -3.2 434.6 999.9 99.9 99.9 99.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9		30.8	89.5	10131.4	275.0	-42.3	99.9	255.2	40.8	39.5	10.4	334.0	999.9	99.9	999.9	37. 8	75.	
37.4 106.0 12202.7 200.0 -59.5 59.9 256.0 49.2 47.7 11.9 338.5 99.9 99.9 99.9 99.9 55.7 76. 39.9 112.3 13028.7 175.0 -64.5 99.9 258.9 58.1* 57.0 11.2 343.6 999.9 99.9 99.9 999.9 63.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 262.6 36.1* 35.8 4.7 362.6 999.9 99.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.6* 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.0* 22.5 4.9 401.1 999.9 99.9 999.9 87.1 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.9* 4.9 -3.2 434.6 999.9 99.9 99.9 99.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9		32.8	95.0	10767.6	250.0	-48.0	99.9	257.6	42.3	41.3	9.1	334.6	999.9	99.9	999.9	42.9	75.	
39.9 112.3 13028.7 175.0 -64.5 99.9 258.9 58.14 57.0 11.2 343.6 999.9 99.9 99.9 999.9 63.7 76. 42.9 119.3 13975.4 150.0 -62.4 99.9 262.6 36.14 35.8 4.7 362.6 999.9 99.9 99.9 999.9 72.3 77. 46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.64 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16466.6 100.0 -65.6 99.9 257.8 23.04 22.5 4.9 401.1 999.9 99.9 999.9 87.1 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.98 4.9 -3.2 434.6 999.9 99.9 999.9 99.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9		35.0	100.2	11455.2	225.0	-53.1	59.9	256.1	45.2	44.3	9.3	337.1	999.9	99.9	999.9	48.9	76.	
42.9 119.3 13975.4 150.0 -62.4 99.9 262.6 36.1* 35.8 4.7 362.6 999.9 99.9 99.9 72.3 77. 46.4 127.3 15099.9 125.6 -63.3 99.9 252.3 33.6* 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16466.6 100.0 -65.6 99.9 257.8 23.0* 22.5 4.9 401.1 993.9 99.9 999.9 87.1 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.9* 4.9 -3.2 434.6 999.9 99.9 99.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9		37.4	106.0	12202.7	200.0	-59.5	59.9	256.0	49.2	47.7	11.9	338.5	999.9	99.9	999.9	55. 7	76.	
46.4 127.3 15099.9 125.0 -63.3 99.9 252.3 33.64 32.0 10.2 380.3 999.9 99.9 999.9 79.8 76. 50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.04 22.5 4.9 401.1 993.9 99.9 999.9 87.1 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.94 4.9 -3.2 434.6 999.9 99.9 999.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 999.9 95.2 78.		39.9	112.3	13028.7	175.0	-64.5	99.9	258.9	58.1*	57.0	11.2	343.6	999.9	99.9	999.9	63. 7	76.	
50.7 136.0 16468.6 100.0 -65.6 99.9 257.8 23.0* 22.5 4.9 401.1 993.9 99.9 99.9 87.1 76. 56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.9* 4.9 -3.2 434.6 999.9 99.9 99.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 99.9 99.9 95.2 78.		42.9	119.3	13975.4	150.0	-62.4	99.9	262.6	36.1*	35.8	4.7	362.6	999.9	99.9	999.9	72.3	77.	
56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.99 4.9 -3.2 434.6 999.9 99.9 99.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 999.9 95.2 78.		46.4	127.3.	15099-9	125.C	-63.3	99.9	252.3	33.6*	32.0	10.2	380.3	999.9	99.9	999.9	79.8	76.	
56.1 145.0 13212.9 75.0 -66.0 99.9 303.4 5.99 4.9 -3.2 434.6 999.9 99.9 99.9 93.0 77. 63.6 155.0 20726.1 50.0 -59.2 99.9 261.0 1.2 1.2 0.2 504.1 999.9 99.9 999.9 95.2 78.		50.7		16468.6												87. 1	76.	
		56-1	145.0	13212.9	75.0	-66.0	99.9	303.4	5.9*	4.9	-3.2	434.6	999.9	99.9	999.9	93.0	77.	
75.8 165.5 25186.5 .25.0 -50.4 99.9 278.7 4.0 4.0 -0.6 639.9 999.9 99.9 999.9 96.3 78.		63.6	155.0	20726.1	50.0	-59.2	99.9	261.0	1.2	1.2	0.2	504.1	999.9	99.9	999.9	95. 2	78.	
		75.8	165.5	25186.5	. 25.0	-50 • 4	99.9	278.7	4.0	4.0	-0.6	639.9	999.9	99.9	999.9	96.3	7.8.	

<sup>\*</sup> BY SPEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 304 HATTERAS. NC

24 APRIL 1975 2100 GMT

							2100 G	MT				.5**	1	66 24.	o	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V C04P	PQT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	MISEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ΰĢ	
0.0	4.6	4.0	1018.9	22+6	15.4	210.0	7.2	3 • 6	6.2	295.6	324.3	16.9	64.0	0.0	C.	
0.7	6.3	166.7	1000.0	20.6	14.1	211.3	20.7	10.8	17.7	295.1	321.8	10.2	66.2	0. 6	27.	
1.6	. 2.7	385.1	975.0	18.6	13-1	211.1	18.9	9.8	16.2	295·2	321.0	9.8	70.6	1.7	30.	
2.5	11-1	607.3	950.0	16.4	10.6	215.0	20.7	11.9	17.0	295.0	317.5	8.5	68.4	2.8	31.	
3.5	13.6	e33.8	925.0	14.6	8.8	219.0	20.0	12.6	15.5	295.3	315.9	7.7	68. 1	3. 9	33.	
4.4	16.3	1065-1	900.0	13.5	5.7	219.1	18.5	11.7	14.4	296.3	313.7	6.4	59.1	5 <b>.</b> 0	34.	
5, 3	18.6	1302.2	875.0	13.0	1.2	218.2	15.8	9.8	12.4	258.0	312.0	5.1	47.0	5. 9	35.	
6.3	21.0	1545.7	850.0	12.4	4.6	221.4	14.9	9.9	11.2	299.9	317.3	6.3	59.0	6.9	36.	
7.3	23.7	1795.6	825.8	11.0	2.6	224.5	14.7	10.3	10-5	300.9	316.6	5.6	56.3	.7. 7	36.	
8. 2	26. 2	2051.9	0.00	10.0	-7-1	231.4	15.5	12.1	9. 7	302.2	311.0	3.0	31.2	8. 5	37.	
9.1	29. 3	2315.1	775.0	6.0	-1.6	236.5	15.1	12.5	8.3	303.9	316.5	4.4	47.7	9. 3	39.	
10.1	31.8	2586.1	750.0	7.6	-1+0	255.9	14.2	13.6	3.4	305.4	319.1	4.8	54.7	10.1	41.	
11+1	34.7	2664.8	725.0	5.8	-3.4	264.6	13.5	13.5	1.3	306.4	318.3	4.1	51.3	10.7	44.	
12-1	37.4	3151.4	700.0	3.9	-4.0	272.6	15.0	15.0	-0.7	307.3	319.3	4.1	56.5	11.3	47.	
13-1	40.3	3445.9	675.0	1.8	-4.4	278.5	16.6	16.5	-2.5	308.1	320.1	4.1	63.4	12.0	50.	
14.2	43.1	3750.7	650.0	1.5	-6.0	279.9	17.2	16.9	-2.9	311.2	322.4	3. 8.	57.3	12.8	54.	
15.2	46.1	4965+8	625.0	-0.2	-13.7	279.9	17.0	16.7	-2.9	312.4	31 9.0	2.1	35.3	13.5	57.	
16. 3	49.4	4390.9	600.0	-3.0	-19.2	279.8	16.6	16.4	-2.8	312.6	317.3	1.4	27.3	14.4	60.	
27.4	52.3	4726+5	575-0	-5.2	-23.5	280.2	15.5	15.3	-2.7	314.0	317.2	1.0	22.0 32.0	15.2	53.	
18.6	55.5 58.7	5073.7	550.0 525.0	-e.3 -11.0	-22.0	266.8 291.2	16.2	15.0	-4.7 -5.8	314.4	318.2 320.7	1.2 1.7	52.9	16.1 17.0	65. 68.	
19.9		5432.9	500.0		-18,7		16.1			317.6	319.5	0.5	19.2	17.5	71.	
21.2	62.1	5806.3		-12.6	-31.3	293.7	10.5	9•6 13•2	-4.2	318.9	320.1	0.3	14.4	18.5	73.	
22.6 24.1	65.6 69.0	6195.9 6601.9	475+0 450+0	-15.4 -18.0	-36.5 -38.4	289•5 282•3	14.0	18.2	-4.7 -4.0	320.6	321.7	0.3	14.7	19.8	75.	
25.6	72.6	7026.2	425.0	-21.7		20203	18.6 17.7	17.2	-4.0	321.1	322.1	6.3	16.2	21.3	77.	
27.2	76.4	7470.4	400.0	-24.5	-40.5 -39.7	290.5	19.1	17.9	-6.7	323.1	324.1	0.3	22.9	22.8	79.	
28.7	E0. 4	7938.1	375.0	-27.1	-41.4	283.5	12.0	11.7	-2.8	325.7	326.6	0.3	24.1	24.2	81.	
30.4	84.4	8431.7	350.0	-30.9	-45.4	282-1	9.7	9.5	-2.0	327.0	327.7	0.2	22.3	25. 2	82.	
32.1	66.4	8952.9	325.0	-34.8	-50.9	294.3	9.3	8.5	-3.8	328.7	329.1	0.1	17.4	25. 9	83.	
34.2	93. J	9506.3	300.0	-39.4	-54.6	319.2	10.1	6.6	-7.7	329.7	330.0	0.1	18.0	26.8	84.	
36.1	57.6	10094.8	275.0	-45.0	99.9	308.5	15.3	12.0	-9.5	330.1	599.9	99.9	999.9	27.9	97.	
38.5	102.4	10724-1	250.0	-50.3	99.9	304.6	19.4	16.0	-11.0	331.3	599.9	99.9	999.9	29.8	90	
40.7	107.5	11402.8	225.0	-56.1	99.9	288.6	10.9	16.1	-5.4	332.5	999.9	99.9	999.9	31.8	92.	
43.0	113.2	12142.4	200.0	-61-1	99.9	291.8	17.5	16.3	-6.5	336.1	999.9	99.9	999.9	34. 3	93.	
45.6	119.3	12964.1	175.0	-64.6	99.9	292.1	17.8	16.5	-6.7	343.4	999.9	99.9	999.9	36.4	95.	
48,5	125. 9	13936.6	150.0	-64.7	99.9	294.8	28.5	25.9	-12.0	358.7	999.9	99.9	999.9	40,8	97.	
52.0	133.3	15028.4	125.0	-58.9	97.9	282.1	34.4	33.6	-7.2	386.3	999.9	99.9	999.9	47.9	98.	
56.2	140.7	16420.5	100.0	-62.0	59.9	303.1	11.4	9.6	-6.3	407.9	999.9	99.9	999.9	53 <sub>e</sub> 6		
61.4	149.0	18172.9	75.0	-65.8	99.9	32.4	4.4	-2.4	-3.7	434.9	999.9	99.9	999.9	56.4		
68.5	150.3	20685.8	50.0	-50.7	99.9	388.5	3.3	2.2	-2.5	505.4	999.9	99.9	999.9	57.3		
79.7	166.5	25122.6	25.0	-51.5	99.9	999.9	99.9	99.9	99.9	636.7	999.9	99.9	999.9	599. ¥		
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<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEPF MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 311 ATHENS. GA

24 APRIL 1975 2040 GMT

155 17. G

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPELD	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	7.1	246.0	989.2	26.1	16.6	210.0	7.2	3.6	6.2	301.8	234.5	12.2	56.G	0 • G	c.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.
0.2	E. 4	373.0	975.0	23.5	13.2	230.9	14.6	11.3	9.2	300.2	326.7	9.8	52.2	0.3	52.
1.1	10.5	599.7	950.0	22.3	13.4	230.2	13.2	10.1	6.4	301.2	325.9	10.3	57.1	0.8	51.
2.0	12.7	830.5	925.0	18.9	11.4	225.2	10.2	7.3	7.2	299.8	324.7	9.2	61.8	1.4	50.
2.7	15.0	1065.1	900.0	16.4	10.2	219.8	9.5	6.1	7. 3	299.5	323.2	8.8	67.0	1.9	48.
. 3.4	17-1	1305.0	875.0	14.5	10.0	229.0	9.4	7.1	6 - 1	300.0	324.0	8.9	74.4	2. 3	47.
4.6	19.5	1550.0	850.0	12.5	9.4	245.5	13.4	12.2	5.5	300.5	324 • 4	8.8	81.4	3.0	51.
5.7	21.7	1900.7	825.0	11.7	7.3	243.7	15.7	14.0	6. 9	302.0	323.5	7.8	74.7	4.0	54.
6.5	24.3	2057.6	800.0	9.6	7.1	252.0	13.6	12.9	4.2	302.5	324.4	8.0	84.3	4.6	56.
7.4	26.5	2321.9	775.0	9.7	5.0	253.1	18.4	17.6	5.3	305.1	325.0	7.1	72.A	5.5	59.
8,3	29.0	2593.5	750.0	8.0	2.4	251.1	20.3	19.2	6.6	306.1	323.4	6.1	67.4	6.6	61.
9.4	31.6	2872.6	725.0	5.8	. 0.9	250.7	21.1	19.9	7.0	306.€	322.7	5.7	70 <b>.</b> 8	8. G	63.
10.4	34.3	3150.8	700.0	3.0	-1.1	256.6	20.5	20.0	4.5	306.4	321.0	5.1	74.6	9.2	64.
11.5	36. 5	3453.6	675.0	3.6	-15.7	262.8	20.8	20.6	2.6	309.€	315.0	1.7	22.8	10.5	6 <b>6</b> •
12.7	39.5	3759.2	650.0	1.0	-8.2	260.7	22.2	21.9	3.6	311.4	321.0	3.2	47.5	12.0	÷ë•
13.9	42.0	4074.8	625.0	0.6	-11.7	262.7	24.6	24.4	3. 1	313.5	321.2	2.5	39.1	13.5	
15.0	44.9	4401.4	600.0	-1.7	-14.2	271.9	25. <i>2</i>	25+2	-0.9	314.5	321.1	2 · 1	37.6	15.2	
16.2	07.9	4738.7	575.0	-4.2	-11-1	276.6	24.9	24.7	-2.9	315.4	324.2	2.9	58+6	16.9	74.
17.5	50-6	5088.2	550.0	-6.4	-12.4	276.9	23.1	23.0	-2.8	316.8	325 • 1	2.7	62.3	15.6	
18.8	53.5	5449.7	525.0	- 9.9	-17.0	276.5	21.3	21.2	-2.4	316.8	322.9	1.9	56.0	20. 1	78.
20.0	56+ 6	5823.7	500.0	-13.4	-20.5	280.8	23.1	22.7	-4.3	316.8	321.6	1.5	55.2	21.8	79.
21.4	59.8	6212.7	475.0	-14.9	-36.3	262.4	22.5	22.0	-4.8	319.5	320.7	0.4	14.1	23, 5	81.
22. 9	63 <b>.</b> 1	6619.0	450.0	-18-1	-38.7	279.3	20.7	20.4	-3.3	320.5	321.5	0.3	14.4	25. 3	83.
24.4	66.4	7044.2	425.0	-20.5	-40.0	276.8	21.6	21.4	-2.5	322,7	323.6	0.3	14.6	27.2	84.
25.9	70.0	7499.5	400.0	-24.6	-43.7	266.4	17.2	16.5	-4,9	323.0	323.7	0.2	14.9	29.0	85.
27.6	73.4	7956.3	375.0	-26.0	-46.4	275.2	21.8	21.5	-3.5	324.5	325 • 1	0.2	15.2	30. B	60.
29.2	77. 3	8447+8	350.0	-31.9	-49.4	276.4	25.0	24.8	-2.8	325.7	326 · 1	0.1	15.5	32.9	87.
30.9	81.1	8966.8	325.0	-35.8	-52.5	280.3	24.7	24.3	-4.4	327.3	327.6	0.1	15. A	35.4	86.
32.7	es. 3	9517.9	300.0	-40-6	99.9	284.9	22.4	21.6	-5. 5	328.2	999.9	99.9	999.9	37.9	<b>99.</b>
34.9	89-5	10105-4	275.0	-44.9	99.9	279+2	19.1	18.9	-3.0	330.3	999.9	99.9	999.9	40.4	90.
37.0	94.2	10734.9	250.0	-50.5	99.9	284.0	16.9	16.4	-4.1	331.1	999.9	99.9	999.9	42.4	90.
39-5	99.0	11414-5	225.0	-55.0	99.9	289.9	17.3	16.3	-5.9	334.3	999.9	99.9	999.9	45.1	91.
42.3	104.0	12160.0	200.0	-58.7	99.9	281.7	15-1	14.7	-3.1	339. 6	999.9	99.9	599.9	48.2	
45.2	105.8	12989+6	175.0	-62.7	59.9	266.3	26.6	26.5	1.7	346.5	999.9	99.9	999.9	51.7	92.
48.5	115.6	1394406	150.0	-60.2	99.9	283.2	32.9	32.0	-7.5	366.4	999.9	99.9	999.9	57.9	92.
52.4	122. 8	15079.4	125.0	-61.2	99.9	269.2	26.9	2609	0.4	384.2	999.9	99.9	.999.9	64.6	93.
57.0	130.5	16452.7	100.0	-65.3	99.9.	280.2	17.4	17-1	-3.1	401.€	999.9	99.9	999.9	71.5	93.
62.5	138.8	18195.1	75.0	-66-1	99.9	295.6	12.6	11.4	-5.4	434.4	999.9	99.9	999.9	76.5	94.
70.7	146.0	20693.4	50.0	-60.8	99.9	272.9	6.6	8.5	-0.4	500.3	999.9	99.9	999.9	. 77.4	95.
82.4	157.7	25123.0	25.0	-52-1	59.9	315.3	4.4	3. i	-3.2	635.2	999.9	99.9	999.9	78 <b>.</b> 1	96.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETNEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSBORC. NC

24 APRIL 1975 2015 GMT

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TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	PGT T	E POT T	MX RTO	RH	RANGE	
MIN		GPM	MB	DG C	DG C	OG	M/ E	M/SEC	M/SF C	DG K	DG K	GM/KG	PCT	KM	ÞG
0.0	8.2	275.0	983.5	25.6	15.0	190.0	903	1.0	9.2	301.7	331.4	11.0	52.0	0. 0	0.
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	8. 9	351.1	575.0	23.7	8.2	202.4	14.1	5.4	13.0	300.0	319.4	7.1	37.4	0.3	42.
1.3	11,2	576.9	950.0	21.3	8.9	215.2	12.9	7.5	10.6	299.9	320.6	7.6	45.1	1.0	35.
2. 1	13.9	807.3	925.0	19.3	9.5	224.7	13.6	9.6	9. 7	300.2	322.2	8.1	53.0	1.6	38.
2.9	16.3	1042.1	900.0	17-1	9.2	222.6	16.1	10.9	11.9	300.3	322.5	8.2	59.5	2.4	40.
4 • C	19.1	1281.8	875.0	14.8	9.8	227.5	16.8	12.4	11.4	360.3	324.1	8.6	72.1	3. 5	41.
4.9	21.6	1526.6	850.0	12.7	9.6	227.0	16.9	12.3	11.5	300.6	324.7	8.9	61.7	4.3	42.
5.0	24.4	1776.9	825.0	10.3	9.0	231.3	18.2	14.2	11.4	300.6	324.6	8 • 8	91.9	5 <b>.</b> 1	43.
6.6	27.0	2032.5	800.0	8 • 1	7.6	243.8	22.2	19.9	9.8	30C. 9	323 • 4	8.2	96.5	6. 2	46.
7.9	30.0	2296.2	775.0	9.4	3.8	250.4	26.2	24.7	8. 5	304.€	323.1	6.5	68.2	8. I	51.
9.2	32. 3	2564.3	750.0	8.7	2.4	250.3	24.9	23.5	8+4	306.8	324 - 1	6.1	64.5	10.0	<b>5</b> 5,
10.5	35. 9	2848.2	725.0	7.1	-11.0	249.9	24.4	22.9	8.4	307.5	314.7	2.4	27.2	11.9	57.
11.5	36.6	3136.1	700.0	6.4	-46.0	251.5	23.9	22.7	7.6	309.6	309.9	0.1	1.0	13.3	59.
12.6	41-4	3432.9	675+0	4.4	-24.5	256 <b>.</b> 3	23.6	22.9	5.6	310.7	313.3	0.8	10.5	14.9	60.
13.7	44, 5	3738.8	€50.0	2.2	-12.2	262.3	23.0	22.8	3e 1	311.7	318.8	2.3	33.7	16.3	62.
14.9	47. 6	4054.4	625.0	-0.1	-10-1	266.1	26.0	26.0	1.0	312.7	321.4	2.9	46.8	17.9	64.
16-1	50. 3	4380.0	600.0	-2.2	-13-1	272.8	25.1	25.1	-1.2	313.9	321 • 1	2.3	42.9	19.6	67.
17.5	54 a 1:	4716.7	575.0	-4.8	-8.8	269.3	23.7	23.7	0.3	314. B	325, 2	3.4	73.5	21.4	69.
18.9	57.4	5065.6	550.0	-6.6	-32.0	271.7	25.5	25.5	-0.7	316.2	317.8	0.5	11.3	23.3	71.
20.2	61.0	5426.4	525.0	-9.9	-31.6	274.1	23.2	23.1	-1.6	316.6	318.3	0.5	14.9	25.2	72.
21.4	64.6	5800.8	500.0	-12.5	-22.1	274.6	23.6	23.5	-1.9	318.0	322.2	1.3	44.1	26 <b>.</b> 8	74.
22.9	68.0	6191.0	475.0	-14.7	-25.7	273+4	22.5	22.8	-1.3	319.9	323.2	1.0	38.4	28. 7	75.
24.4	71.7	6597.8	450.0	-18.2	-61.5	275.5	20.1	20.0	-1.9	320.4	320.4	0.0	1.0	36.5	76.
26.0	75.7	7022.3	425.0	-20.9	-63.2	273.1	24.2	24.1	-1.3	322.2	322.2	0.0	1.0	32.4	77.
27,7	79.9	7467•5	400.0	-24.0	-65.3	280.4	24.0	23.0	-4.3	323.7	323.8	0.0	100	34.8	79.
29.4	83.8	7935.0	375.0	-27.8	-67.7	278.4	22-1	21.9	- 3. 2	324.7	324.7	0.0	1.0	37.4	80.
31.2	88.0	8427.4	350.0	-30-6	-69.7	272.0	21.6	21.5	-0.7	327.2	327.2	0.0	1.0	39.3	81.
33.2	92.7	8948.9	325.0	-35.3	-72.7	273.3	20.6	20•6	-1.2	327.9	327.9	0.0	1.0	41.7	82.
<b>35.</b> 3	97. 4	9500.9	300.0	-39.9	99.9	259.6	25.6	25.2	4.6	329.1	999.9	99. 9	,,,,,,	44.2	
37+6	102, 2	10085.1	275.0	-45.1	99.9	255.2	13.4	13.0	3.4	330.0	999.9	99.9	999. 9	46.5	82.
39.8	107.6	10719.6	250.0	-49.4	99.9	254.6	14.7	14-1	3.8	332.6	999.9	99.9	999.9	48.6	82.
42.0	113.0	11401.4	225.0	-54.9	99.9	281.2	11.5	11.3	-2.2	334.3	969.9	99.9	999.9	50.0	82.
44.7	119.0	12142.6	200.0	-61.6	99.9	275-0	15.5	15.5	-1.4	335.2	999.9	99.9	99 <b>9. 9</b>	51.5	<b>63</b> •
47.5	125.5	12961.7	175.0	-64.2	99.9	280.4	34.4	33.8	-6. 2	344.1	999.9	99.9	999.9	5 <b>5</b> • 2	84.
50.6	132-3	13914.7	150.0	-60.8	99.9	293.7	34.3	31.4	-13.8	365.4	999.9	99.9	999.9	61.2	86.
54.5	139.3	15045.6	125.0	-60.6	99.9	263.6	30+4	30.2	3. 4	385.3	999.9	99.9	999.9	68.0	88.
59.5	146.0	16431.7	100.0	-63.3	99.9	273.7	17.6	17.6	-1.1	405.5	990.9	99.9	999.9	75 <sub>0</sub> 7	68.
65,5	153.5	18187.9	75.0	-65.1	<b>59.9</b>	311.4	6+0	4.5	-4.0	436.4	994.9	99.9	999.9	80.9	90.
73.6	161.0	20703.9	50.0	-58.8	99.9	48.2	0.4	-0.3	-0.3	505.0	999.9	99. 9	999.9	81.6	
AT- A	148.5	25150-4	25.0	-60-0	00.0	000.0	00.0	00-0	90.0	641.1	962.9	90.9	900.0	999-9	934.

<sup>.</sup> RY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG. BY TEMP MEANS TEMPERATURE OR TIME MAYE BEEN INTERPOLATED

<sup>..</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NÚ. 327 NASHVILLE, TENN

24 APRIL 1975

2015 GMT 162 17. C TIME CATCT HE I GHT PRES TEMP OFW PT DIR SPEED U COMP V CCMP PCT T E POT T MX RTO RANGE AZ DG K DG K GM/KG PCT KM DG MIN GPM MB DG C CG C DG M/SEC M/SEC M/SEC 335.2 993.0 3.1 295.6 14.1 94.0 0.0 ٥. 180.0 20.0 19.0 240.0 3.6 1.0 0.0 5.4 99.9 **99.9** 99.9 969.9 99.9 999.9 999. 2 992. 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999. 5 999. 330.5 \$75.0 19.9 18.5 569.9 99.9 99.9 99.9 297.0 333.5 14.0 92.1 0.4 6.9 999.9 999. 99.9 299.0 334.3 13.4 86.8 ... 563.2 950.0 19.7 17.5 999.9 99.9 99.9 1.1 333-1 12.7 90.1 1.4 62. 237.9 15.3 9.6 299.3 1.9 10.8 793.1 925.0 17.9 16.3 18.1 299.7 331.0 11.8 91.0 2.3 60. 2.7 12.8 1027.7 900.0 16.1 14.6 239.9 19.2 16.6 9.6 300.5 330.2 11.1 91.7 3.4 61. 3.6 15-1 1267.5 875.0 14.7 13.3 243.7 20.4 18.3 9.0 301.2 1512.8 850.0 13.1 11.9 245.8 21.1 19.3 8.7 329.3 10.4 92.4 4. 3 62. 4.3 17.1 1764.1 825.0 11.9 10.5 255.8 15.9 18.4 4.6 302.5 329.0 9.7 90.7 5.2 63. 5.1 19.3 10.7 262.1 22.2 22.0 3.1 303.6 329.4 9.3 91.6 . 6.2 6t. 21.5 2022.1 800.0 9.4 6.0 7.6 22.9 304.6 324.2 8.5 91.4 7.2 68. 2284.6 775.0 9.0 262.7 23.1 2.9 6.7 23.6 24.4 305.5 326.9 7.7 89.5 8.5 71. 2557.9 7.3 266.6 24.5 1.5 7.7 26.0 750.0 5.6 73. 306.0 325.5 6. 9 90.2 9. 9 28.5 2836.7 725.0 5.2 3.7 268.7 25.9 25.9 0.6 8.6 3122.6 0.7 306.6 324.5 6.3 92.8 11.1 75. 700.0 3.0 1.9 266.5 26.1 26.1 9.4 31.0 77. 3417.0 675.0 0.3 269.3 25.6 25.6 0.3 307.6 324.3 5.8 94.6 12.5 10.3 **33.6** 1.1 650.0 270.3 308.4 323.3 5. 1 94.3 13.7 78. 3719.8 -1.1 -1.9 26.8 26 - 7 -0.1 11.1 36.0 73. -3.2 271.5 29.5 29.5 -0.8 310.3 324.5 4.8 94.1 15. 1 12.0 38.8 4032.9 625.0 -2.4 -2. J 312.3 325.7 93.8 16.8 804 12.9 41.3 4356.9 60.0.0 -3.8 -4.6 274.4 30.0 29.9 4.5 -4.5 313.9 320.2 93.6 18.5 92. 13.9 44.1 4692.3 575.0 -5.6 -6.5 278.6 29.3 29.0 4.1 5040.5 -7.4 -8.3 281.0 28.4 27.9 -5.4 315.7 327.0 3.7 93.3 20.2 93. 14.9 47.1 550.0 -10.8 29.1 -5. 2 317.3 327.2 3.2 90.5 21.2 **es**. 16.0 50.1 5401.9 525.0 -9.5 280.2 29.5 27.6 -5.7 317.5 324.5 2.2 76.3 23. 9 8/10 -12.9 -15.9 281.7 28.1 17.2 53. 1 5776.6 500.0 319.3 35.4 25. € P7. -29.1 -7.3 316.8 0.7 18.4 56. 1 6165.3 475.0 -17.2 286.3 25.8 24.8 321.7 35.7 28.0 90 -8. J 319.4 0.7 19.7 59.5 6569.0 450.0 -19.0 -30.4 286.4 29.6 28.4 29. A 90. -9.4 320.1 320.7 0.2 12.0 6991.1 425.0 -22.5 -44.0 289.7 28.0 26.3 20.9 **63.** 3 31.9 92. 322.0 10.1 7434.2 400.0 -25.7 -48.1 289.5 30.2 28.5 -10.1 321.5 0.1 22.2 66.4 34.4 23. -9.1 322.6 323.2 0.1 10.1 23.7 7C. 3 7898.4 375.0 -29.2 -51.0 290.5 26.1 24.5 36.8 94. 0.1 14.9 25.3 74. 0 6388.3 35C.0 -32.0 -49.9 28461 25.9 25. L -6. J 325.5 325.9 39.1 0.3 50.6 94. 26.9 78.2 5907·1 325.0 -35.9 -42.5 272.6 22.4 22.3 -1.0 327.1 328.1 999.9 99.9 41.3 94. 82.3 9459.7 300.0 -40.0 99.9 264.2 24.8 24.7 2.5 320.9 999.9 28.5 330.8 999.9 99.9 999.3 44.1 93. 30.4 26.8 10047.1 275.0 -44.5 99.9 262.3 2367 23.5 3.2 999.9 99. 9 995.9 46.9 93. 10677.8 -50.1 99.9 18.4 2.5 331.7 32.6 91.8 250.0 262.1 18.5 999.9 99.9 999.9 49.0 92. -56.2 99.9 19.7 19.5 2.9 332.5 34.6 97.0 11356.6 225.0 261.4 999.9 99.9 51.8 92. 36.7 102.5 12076.9 200.0 -61.4 99.9 262.6 25.2 24.9 3. 2 335.6 999.9 92. 99.9 267.9 25.8 25.8 0.9 339.7 999.9 89.9 999.9 55. B 39.4 109.0 12912-1 175.0 -66.8 99.9 999.9 61.6 91. 42.7 115.8 13860.6 150.0 -59.1 99.9 276.1 33.9 33.7 -3.6 368.2 999.9 99.9 999.9 67.6 91. 22.0 6. 9 386.3 999.9 46.4 123.3 15004.8 125.0 -60.1 99.9 247.9 23.7 995.5 75.3 30. 99.9 51.3 132.3 16382.4 100.0 -64.5 99.9 270.1 21.1 21.1 -G.1 403.1 999.9 999.9 99.9 999.9 80.4 91. 57.1 141.7 18140.7 75.0 -62.6 59. 3 213.5 2.5 1.4 2.1 441.8 99.9 90. 995.9 82.5 65.0 152.0 20651.6 50.0 -58.9 99.9 92.8 3.3 -3.3 0.2 504.8 999.9

-53.6

99.9

20.8

25.0

77.0

162.5

25060.8

4.4

-1.5

-4.1

630.9

99909

99.9

999.9

83.2

91.

<sup>\*</sup> EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SFEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE ROCK. ARK

24 APRIL 1975 2030 GMT

154 19. 6

							2030.0						-		-
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	-	POT T	E POT T	MX RTO	S. RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	MSEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ØG
0.0	5.8	79.0	1002.7	27.8	19.6	220.0	6.2	4.0	4.7	302.7	341.5	14.5	61.0	C. 0	C.
0.1	e. 1	102.9	1000.0	25.9	15.6	191.7	6.8	1.4	6.6	300.6	33).8	11.3	53-1	C. 2	1 •
0.5	8.2	325.2	975.0	23.5	14.7	194.0	7.3	1.8	7.1	360.3	329.5	10.9	58 <u>.</u> 0	0.3	5.
1.6	10.4	551.8	950.0	22.1	14.9	203.1	8.4	3. 3	7.7	301.1	331.6	11.3	63.8	0.7	12.
2.2	12.5	783.8	925.0	21.0	15.4	210.9	5.5	4.5	7.6	302.4	334 • B	12.0	70.2	1.0	17.
2.9	14.7	1020.7	900.0	19-1	14-1	213.4	11.9	6.6	10.0	302.8	333.4	11.3	7264	1.4	21.
3.6	16.7	1262.7	875.0	17.2	13.6	219.8	14.2	9.1	10.9	303.2	333.9	11.3	79.2	1.9	26.
4.2	19.1	1510.1	850.0	15.2	12.4	227.5	14.5	10.7	9.8	303.5	332.7	10.7	83.1	2.5	30.
5.1	21.2	1763.4	825.0	14.0	10.6	239.4	17.6	15.2	8. 9	364.7	331.7	9.8	79.7	3, 2	35.
. 6.0	23.6	2322.7	800.0	12.0	9.7	240.4	17-8	15.5	8.5	3¢5.2	331 • 4	9. 5	86• l	4.2	41.
6.9	25. €	2289.3	775.0	12.1	6.4	239.1	16.0	15.4	9.2	367.9	330.0	7.9	66.3	5.1	40.
7.9	28.2	2564.6	750.0	12.6	-6.9	233.3	16.9.	13.6	10-1	310.9	320.1	3.0	24.6	6.0	47.
8.7	30. a	2848.6	725.0	11.3	-10.0	234.0	15.4	12.4	9.0	312.2	320.0	. 5.6	22.0	6.3	47.
9.6	33.3	3140.2	700.0	8.6	-13.3	237.7	14.7	12.4	7.9	312.4	318.5	2.0	19.4	7.7	46.
10.6	35.8	3439.4	675.0	6.2	-14.4	242.9	14.4	12.9	6.6	312.8	318.6	1.9	21.2	8.5	49.
11.5	38. 3	3747.1	650.0	3.6	-16.3	248.5	15.0	14.0	5-4	313.4	318.6	1.6	21.3	9. 3	51.
12.5	4C.5	4064.2	625.0	1 • 3	-18.3	254.4	16.3	15.7	4.4	314. ž	316.7	1.4	21.5	10.1	53.
13.5	43.6	4391.2	600.0	-1.3	-19.4	258.2	18.5	18.1	3• €	314.6	319.2	1.4	23.5	11.1	55.
14.6	46.4	4728.6	575.0	-4.1	-20.3	258.9	19.9	19.5	3.6	315.3	319.6	1.3	27.0	12.3	57.
15.3	49.3	5077.5	550.9	-6.8	-16.8	258.4	23.5	23.0	4.7	316.2	322.2	1.9	44.7	13.7	60.
17.5	52.0	5438.9	525.0	-9.7	-22.3	259.0	27.2	26.7	5.2	314.9	320.9	1.2	34.7	15.5	62.
16.5	55-0	5813.0	500.0	-13.1	-28.7	262.2	27.6	27.3	3.7	317.1	319.5	0.7	25.4	17.4	64.
19.6	58.0	6202.7	475.0	-14.3	-36.3	258.8	26.9	24.4	5. 2	320.2	321.5	0.4	13.4	1506	66.
20.9	61. l	6610.9	450.0	-17.0	-38.3	252.4	25.3	24.1	7.7	321.0	322.9	0.3	13.7	21.5	670
22.2	64.6	7036.5	425.0	-20.6	-41.0	253.7	26.0	25.0	7.3	322.5	323.4	0.2	14.1	23.6	67.
23.7	67.7	7481.8	400.0	-24.4	-43,5	258 <sub>9</sub> 8	26.1	25.6	5. 1	323.2	323.9	0.2	14.5	25 · ß	6H.
25.4	71.1	7948.7	375.0	-28.0	-46.5	263.9	24.9	24.7	2.6	324.5	3 <i>ċ</i> 5.1	0.2	14.9	28.5	69.
26.9	74. 9	8439.9	350.0	-32.1	-49.7	264.3	26.4	26.3	2.4	325.3	325.8	0.1	15.4	30.6	70.
24.6	72. 8	6958.5	325.0	-36.4	-53.0	267.8	29.0	29.0	101	326.5	326.8	0.1	15.8	33.5	72.
30.4	e2. 7	9509.5	300.0	-40.3	99•9	267.0	27.4	27.3	1.4	328.5	999.9	99. 9	999.9	36.2	73.
32. 3	86.7	10096.4	275.0	-45.2	99.9	271.4	26.7	26.7	-0.6	329.€	999.9	99.9	999.9	39. 3	74.
34.5	91.2	10725.7	250.0	-50.0	99.9	268.8	31.4	31.4	0.6	331.7	999.9	99- 9	999. 9	43.0	76.
36 • 7	95.3	11406-4	225.0	-55.5	99.9	269.1	33.4	33.4	0.6	333.5	999.9	<b>9</b> €∻9	999.9	47.1	77.
39, 1	100.5	12147.9	200.0	-60.7	99.9	267.6	33.3	33.3	1.4	336.7	883.8	99. y	999.9	51 . 8	74.
41.9	106.5	12973.2	175.0	-63.0	99.9	270.0	37.6	37.6	0.0	346.0	999.9	99.5	999.0	57. 2	79,
44.9	112.5	13923.7	150.0	-62.0	99.9	265•8	31.6	31.7	2. 3	363.2	969.9	99.9	999.9	63.4	9 C.
48.7	119.3	15052.4	125.0	-61.7	99.9	264-1	41.4	41.2	4. 2	383.4	999.9	99.9	999.9	71.3	89.
53,2	127.3	16430.3	100.0	-62.0	99.9	272.7	25.4	25.4	-1.2	408.1	999.9	99.9	999.9	74.6	di.
50. 1	136.0	18186.7	75.0	-66.0	99.9	257.6	8.3	8.1	1.6	434.6	999.9	99.9	999.9	63.7	81.
65.7	145.3	20700.1	50.0	-57.7	99.9	336.8	2.4	0.9	-2.2	507.6	999.9	9 <b>9.</b> \$	<del>9</del> 99.9	87.0	Al.
77.0	155, 5	25147.3	. 25.0	-50.5	99.9	301.5	3.9	3,3	-2.0	639.7	999.9	99.9	99 G. G	8963	63.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTEMPOLATED

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349 MONETTE: MO

24 APRIL 1975 2100 GMT

160 16. 0

							\$100 G	••			·4			DO 104	• 0
TIME	CNTCT	HE! GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CC48	POT T	E POT T	MX RTO	RH	RANGE	22
WÎN		GPH	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	n3 K	.DG K	GM/KG	PCT	K4	DG
0.0	6. 3	438.0	958.7	24.6	18.1	170.0	6+7	-1.2	6.6	303.2	340.2	13.8	67.0	c. o	0.
99.9	99. 9	99.9	1000.0	<b>99.9</b>	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	295.
99.9	99.9	99.9	975.0	99. 9	99.9	99.9	99.9	99.9	59.9	99.9	\$99 <b>.</b> 9	99. 9	999.9	999. 9	999.
0.3	5.2	517.A	950.0	22.1	15.4	171.6	7.0	-1.0	6.9	301.2	332.5	11.7	65.9	0.2	344.
1.3	11.4	748.9	925.0	19.6	14.2	102.6	6.3	0.4	8.2	300.9	330.7	11.1	70.9	0.5	351.
2.2	13.9	984+7~	900-0	18.0	19.0	192.7	10.7	2.4	10.5	301.6	331.9	11.3	77-1	1.1	359.
3.0	16.1	1225.9	875.0	16.5	14.0	210.1	14.0	7.0	12.1	302.4	333.6	11.6	85.4	1.6	7.
3.9	18.6	1472.6	850.0	14.9	11.7	228.9	14.0	10.6	9.2	303.1	331.0	10.2	81.4	2.3	17.
4.9	21.0	1725.5	825.0	14.6	6.2	248.2	16.0	14.9	5.9	305.2	325.5	7.2	56.4	3. 1	28.
5.6	23.6	1986.2	860.0	15.5	-6.8	260.8	16.6	16.4	2. 7	308.0	316.6	2.9	20.9	3 <sub>•</sub> 5	36.
6.5	26.3	2254.5	775.0	14.0	~8.6	261.6	17.6	17.4	2.6	309.2	317.0	2.6	20.0	4.2	45.
7.5	26.7	2529.7	750.0	11.7	-9.7	259.4	17.3	17.0	3.2	309.6	317.0	2.4	21.3	5. 1	52.
9.4	31-3	2811.7	725.0	9.2	-11.5	256.1	17.3	16.0	4. 2	309.8	316.5	2 • 2	21.7	6.0	56.
9.6	34. 1	31 00 . 9	700.0	6.6	-13.7	253.6	20.0	19.2	5.6	310.0	315.9	1.9	21.9	7.2	59.
10.6	36.5	3397.9	675.0	4.2	-15.6	256.5	20.0	19.5	4.7	310.5	315.7	1.7	22.0	8.5	61.
11.5	39.4	3703.5	650.0	1.6	-17.4	257.1	19.8	19.3	4.4	310.9	315.6	1.5	22.7	9.8	64.
12.9	42.2	4017.R	625.0	-1.2	-17.9	256.8	20.3	19.8	4.6	311.3	316.0	1.5	26.7	11.0	65.
14.0	45.2	4341.7	600.0	-3.7	-19-5	250.1	\$2.9	21.5	7• B	311.9	316.3	1.4	28.1	12.5	66.
15.2	48. 3	4676.2	575.0	-6.4	-22.0	251.2	25.0	23.6	8. l	312.7	316.3	1.1	27.5	14.2	67.
16.5	51.1	5021.9	550.0	-9.4	-23.3	254.4	28.9	27.8	7.5	313.1	316.5	1.1	31.1	16.4	68.
17.9	54. 3	5380.0	525.0	-11-4	-26.1	256.J	30.4	29.6	7. 2	314.0	317.6	0.9	28.3	16.8	•8•
19.3	57.4	5752.9	500.0	-13.7	-29.2	258.1	33.0	32. 3	6.8	316.3	318.6	0.7	25.6	21.4	70.
20.7	60.7	6140.7	475.0	-15.9	-33.0	257.5	32.0	31.2	6.9	318.3	320.0	0.5	21.2	24.2	71.
22.2	64.3	6547.2	450.0	-17.8	-34.6	256.6	31.6	30.7	7. 3	320.9	322.4	0.4	21.3	27.0	71.
23.8	67.7	6971.6	425.0	-21.6	-36.5	255.8	31.9	30.9	7.8	321.3	322.7	0.4	24.5	29.9	7.20
25.4	71.2	7415.3	400.0	-25.2	-39.0	257.7	30.6	29.9	6.5	322.3	323.4	0.3	26.0	32.9	72.
27.1	75.0	7880.0	375.0	-29.2	-33.9	259.7	32.5	31.9	5. 6	323.0	325.0	0.6	63.4	36 e 1	73.
28.9	79.2	6369.2	350.0	-33.2	-37.0	255.9	32.9	31.9	e. 0	324.0	325.5	0.4	68.0	39. 6	73.
30.5	e3.0	8885.6	325.0	-37.5	-41.9	254.2	30.9	29.8	8.4	325.0	326.0	0.3	62.6	43.0	73.
32.0	e7 <b>.</b> 2	9432.2	300.0	-42.6	99.9	249.4	32.6	30.7	11.5	325.3	999.9	99.9	999.9	47.5	73.
34.9	91.8	10013.6	275.0	-47.5	99.9	253.0	37.1	35.4	10.8	326.5	999.9	99.9	999.9	51.9	73.
37.2	96.6	10637-1	250.0	-51.8	99.9	258.9	34.24.	33.6	6.6	329.1	999.9	99.9	999.9	56.6	73.
39.5	101.6	11313.1	325.0	-56.2	99.9	259.1	39,2*	38.5	7.4	332.4	999.9	99. 9	999.9	61.6	74.
42.0	107.3	12052.8	200.0	-61.1	99.9	259.0	3964+	38.7	7.5	336.1	999.9	99.9	999.9	67, 9	74.
44.9	113.3	12875.7	175.0	-63.9	99.9	261.3	45.3*	44.8	6.9	344.5	999.9	99.9	999.9	73.9	75.
48.3	119.0	13829.8	150.0	-59.8	99.9	261.4	36.90	36.5	5. 5	367.2	999.9	99.9	999.9	82. 8	75.
52.1	127.0	14967.9	125.0	-60.4	99.9	264.1	22.8*	22.7	2, 3	365.6	999.9	99.9	999.9	89.6	76.
56.7	135.3	16355.4	100.0	-62.1	99.9	258.9	28.4*	27.9	5.5	407.8	999.9	99.9	990.9	97.7	76.
62.6	143.3	18145-1	75.0	-64.5	99.9	265.3	16.9#	16.8	1.4	437.7	999.9	99.9	999.9	101.9	77.
71.0	153.0	23661.7	50.0	-56.8	69.9	51.4	4.8*	-3.7	-3.0	509.8	999.9	99.9	999.9	105.1	78.
83.4	163.0	25102.6	25.0	-50.9	99.9	282.9	4.9	4.8	-1.1	638.2	999.5	99.9	999.9	108.4	79.

<sup>-</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363 AMARILLO. TEX

24 APRIL 1975 2015 GMT

152

19. 0

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ PCT MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG KM DG 1095.0 25.4 0.0 14.7 886.6 -5.0 250.0 5.1 4.8 1.7 309.4 318.4 3.0 13.0 0.0 0. 99.9 999.9 999.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 99.9 59.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.3 99.9 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 997.9 99.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 999.9 99.9 99.9 900.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 9 999. 0.2 15.7 1210.6 875.0 25.1 -6.1 266.1 0.3 310.2 318.6 0.2 71. 4.6 4.6 2.8 12.3 21.6 0.9 16.0 1462.7 850.0 -6.3 272.1 -0.1 309.4 317.9 2.8 14.6 0.3 76. 4.1 4.1 1.4 20.4 1720.6 825.C 20.1 -7.6 283.1 4.2 4.1 -0.9 310.2 318.1 2.6 14.7 0.4 83. 22.7 1983.7 B00.0 -8.9 263.2 -1.0 309.4 316.8 1.9 16.8 4.3 4.2 2.4 16.2 0.5 89. 2.6 25.3 2252.4 775.0 13.8 -6.0 275.2 4.6 4.5 -0.4 309.0 317.2 2.7 21.2 0.7 91. 3.5 27.7 2526.7 750.0 10.4 -8.7 286.6 -1.3 308.2 316.2 2.6 25.1 0.9 93. 4.4 4.2 4.4 3C.3 2807.4 725.0 7.5 -9.4 300-1 3.9 3.4 -1.9 308.0 315.8 2.6 28.8 1.2 9.7 ~10.3 5.6 33.0 3094.7 700.0 4.7 300.7 5.0 4.3 -2.6 308.0 315.5 2.5 32.7 1. 5 102. 6.8 35.6 3389.8 675.0 2.2 -11.0 293.3 6.4 5.8 -2.5 308.4 315.7 2.4 36.8 1.9 105. 7.8 38.4 3693.3 650.0 -0.2 -13.1 279.6 6.0 5.9 -1.0 309.0 315.6 2.2 37.0 2.3 106. 8.9 41.1 4005.5 625.0 -2.9 -15.7 266.3 6.7 6.7 0.4 309.3 314.9 1.8 36.5 2.7 104. 3.2 100. 10.1 44.0 4327.2 600.0 -5.6 -20.B 260.9 9.3 9.2 1. 5 309.8 313.6 1.2 28.8 11.3 47.1 4660.7 575.0 -6.0 -28.0 260.3 12.9 12.7 2.2 313.0 315.2 0.7 15.5 3. 9 96. 12.5 50.3 5007.6 550.0 -7.9 -30.3 257.3 15.8 15.4 3.5 314.7 316.6 0.6 14.4 5.0 93. 13.7 53.3 5367.4 525.0 -10.4 -31.0 251.2 17.7 315.9 317.8 0.5 16.6 6.1 89. 18.7 6.0 14.9 56.4 5741.2 500.0 -13.3 -25.5 249.0 22.3 20.8 B. 0 316.9 320.1 1.0 36.5 7. 6 85. 323.1 57.6 9.3 16.2 59. 9 6129.8 475.0 -15.7 -22.1 248.7 28.4 26.5 10.3 318.7 1.4 82. 319.6 323.4 59.4 11.9 17.6 63.3 6535.3 450.0 -16.8 -24.7 244.6 30.2 27.3 13.0 1.1 79. 19.1 66.9 6958.8 425.0 -22.1 -27.7 243.3 30.3 27.1 13.6 320.7 323.8 0.9 60.4 14.6 76. 20.5 70.6 7401.7 400.0 -25.6 -31.0 241.2 32.3 28.3 15.6 321.5 323.9 0.7 61.6 17.2 74. 22.1 74.5 7866.2 375.0 -29.2 -36.1 244.3 35.8 32.3 15.5 322.9 324.5 0.5 50.9 20.3 72. 23.9 -33.6 -39.9 34 .. 6 14.0 323.4 324.6 0.3 52.3 24.4 71. 78.8 8354.9 350.0 248.0 37.3 25.6 **23.0** 8870.1 325.0 -38.1 -44.1 246.4 37.3 34.1 14.9 324.0 324.9 0.2 53.2 27.9 71. 325.1 999.9 999.9 31.6 70. 27.2 87.2 9415.9 300.0 -42.8 99.9 245.1 39.1 35.5 16.5 99.9 29.4 9998.7 275.0 -46.5 99.9 244.4 41.6 37.5 18.0 327.9 999.9 99.9 999.9 37.0 69. 92.2 331.1 999.9 99.9 999.9 31.4 97.2 10626.2 250.0 -50.4 99.9 249.2 42.9 40.1 15.2 42.2 69. 33.6 102.5 -54.7 99.9 258.8 43.4 334.7 999.9 99.9 999.9 47.1 70. 11306.6 225.0 44.2 8.6 339.6 999.9 99.9 999.9 52.3 35.1 108.5 12053.1 200.0 -58.8 99.9 254.3 30.6 29.4 8.2 70. 999.9 999.9 38.9 114.8 12886.3 175.0 -59.4 99.9 259.9 31.1 30.6 E. 4 351.8 99.9 59.7 . 71. 42.1 121.7 13854.5 150.0 -57.9 99.9 261.0 33.0 32.6 5.2 370.3 999.9 99.9 999.9 68. 7 72. 261.4 25.1 24.8 3.8 388.6 999.9 99.9 999.9 74.0 72. 46.0 125.3 15001.7 125.0 -58.8 99.9 137. 3 100.0 99.9 256.7 25.4 6.0 408.5 999.9 99.9 999.9 81.2 73. 50.4 16396.2 -61.7 26.1 55.6 27.5 445.6 999.9 99.9 999.9 90.1 74. 145.0 18173.9 75.0 -60.8 99.9 268.1 27.5 0.9 20693.5 -57.3 99.9 123.5 6.3 -5.3 3.5 508.4 999.9 99.9 999.9 92.6 74. 63.3 154.0 50.0

-49.2

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<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>#</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 402 WALLOPS ISLAND, VA

24 APRIL 1975 2055 GMT

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TIME	E CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
. MEN	١ -	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.	0 4.8	4.0	1012.2	14.4	10.€	999.9	99.9	99.9	99.9	287.6	308.2	8.0	78.0	999.9	999.
0.		107.4	1000.0	17.8	12.2	999.5	99.9	99.9	59.9	292.2	315.8	9.0	69.7	999.9	939.
	3 6.0	325.7	975.0	21.1	12.9	999.9	99.9	99.9	69 <b>.</b> 9	297•7	323.4	9.6	59.4	994.9	
2.	3 10-1	550.1	950.0	19.2	11.7	999.9	99.9	99.9	95.9	297.9	322.4	9.1	61.6	999.9	979.
34		778.9	925.0	17.1	10.5	999.9	99.9	99.9	99.9	298.0	321.2	8.7	65.0	999.9	999.
. 4	1 14.4	1012.4	900.0	15.3	9.7	999.9	99.9	99.9	99.9	298.5	321.2	8.5	. 69• 1	999. 9	999 <b>.</b>
5	1 16.5	1250.9	875.0	13.5	6.8	999.9	99.9	99.9	99 <b>.</b> 9	298.9	321.0	8.2	72.9	995.9	997.
. 6	3 18.8	1494.8	850.0	12.1	7.0	999.9	99.9	99.9	99.9	299.8	320.1	7.4	71.3	995.9	999.
7,	3 21.0	1745.3	825.0	12.9	3.9	999.9	99.9	99.9	99.9	303.0	320.3	6.2	54.2	999.4	999.
. 8	2 23.4	2003.8	800.0	11.8	3.0	999.9	99.9	99.9	99.9	304.6	321.4	6.0	54.7	999. 9	999.
9,	1 25.7	2268.9	775.0	9.6	2.2	999.9	99.9	99.9	99.9	304.9	321.3	5.6	59.7	999. 9	999.
10	2 . 20-1	2540.2	750.0	7.3	1.3	999.9	99.9	99.9	99.9	305.2	321 • 2	5.6	65.5	999.9	999.
11	4 30.7	2818.6	725.0	5.0	1.8	999.9	99.9	99.9	99.9	305.8	322.8	6.0	79.4	999.9	903.
12	6 33.3	3104.2	700.0	2.5	1.7	999.9	99.9	99.9	. 99. 9	306.0	323.6	6 • 2	94.4	999. 9	979.
13	6 35.3	3397.6	675.0	-0.1	-0.8	999.9	99.9	99.9	99.9	306.2	321 • 6	5.4	95.1	999.9	999•
15	1 38.6	3699.3	650.0	-0.7	-2.5	999.9	99.9	99.9	99. 9	308.€	323.O	4.9	87.4	999. 9	999.
16	3 41.1	4012.3	625.0	-2.5	-4.0	999.9	99.9	99.9	99.9	310.2	323.5	4.6	89.2	999. 9	799.
17.	6 44.0	4335.1	600.0	-4.8	-6.3	999.9	99.9	99.9	99.9	311.0	322.8	4.0	89.1	999.9	9.39.
18		4669.4	575.0	-6.5	-7.8	999.9	99.9	99.9	99.9	312.8	324.0	. 3.7	90.3	999.9	<b>999</b> •
20	0 50.0	5015.8	550.0	-8.7	-11.8	999.9	99.9	99.9	99.9	314.1	322.8	2 • 8	78.3	999.9	979.
21	4 52.9	5375.3	525.0	-10.7	-20.0	999.9	99.9	99.9	99.9	315.8	320.5	1.5	46.2	999. 9	499·
23,	0 55.9	5749.7	500.0	-12-2	-21.6	999.9	99.9	99.9	99.9	318.3	322.7	1.4	45.4	999. 7	999.
24	5 59.3	6139.8	475.0	-14.7	-40.4	999.9	99.9	99.9	99. 9	319.7	320.6	0.2	9.0	999. 3	934.
25	.9 62.6	6546.6	450.0	-18.1	-41.0	999.9	99.9	99.9	99.9	320.5	321.3	0.2	11.3	994.9	979 <b>.</b>
. 27		6970.6	425.0	-21.3	-39.3	999.9	99.9	99.9	99.9	321.6	322.7	0.3	17.8	999.7	999.
29	0 69.7	7414.8	400.0	-25-1	-30.6	999.9	99.9	99.9	99.9	322.4	325.0	0.7	59.7	<b>3</b> 8ċ• 3	999.
30	8 73.3	7880.6	375.0	-28.5	-41.8	999.9	99.9	99.9	99.9	323.8	324.7	0 · 3	26.5	999. 9	999.
32	8 77.3	8371.1	350.0	-32.1	-42.7	999.9	99.9	99.9	99.9	325.4	326.3	0.3	34.6	999.9	979.
354	0 81.3	8890.7	325.0	-35.9	-47.9	999.9	99.9	99.9	99.9	327.1	327.7	0.1	27.6	999.9	330.
36	9 85.6	9441.7	0.00E	-40.7	99.9	999.9	99.9	99.9	99•9	328.0	999.9	99.9	999.9	995. 9	979.
38	8 90.2	10027.6	275.0	-45.6	99.9	999.9	99.9	99.9	99.9	329.2	999.9	99.9	99¢.9	999.9	
40	8 95.2	10654.5	250.0	-51.4	59.9	999.9	99.9	99.9	99.9	329.7	999.9	99.9	999.9	999. 7	999.
43	1 100.2	11328.9	225.0	-57.7	99.9	999.9	99.9	99.9	99.9	330.2	999.9	99.9	999.9	994. 9	599.
45	7 105.8	12061-1	200.0	-64.2	99.9	999.9	99.9	99.9	99.9	331 • 1	949.9	99.9	999.9	999.9	999.
48	5 111.7	12874.1	175.0	-65.7	99.9	999.9	99.9	99.9	99.9	341.5	999.9	99.9	999.9	999. 9	
51	6 118.0	13903.2	150.0	-63.2	99.9	999.9	99.9	99.9	99.9	361.3	999.9	99.9	999.9	<b>79</b> 9.9	999.
55	6 125.3	14941.4	125.0	-59.7	99.9	999.9	99.9	99.9	<b>99.9</b>	387.0	999.9	99.9	999.9	999.9	
60	2 133.0	16330.7	100.0	-60.9	99.9	999.9	99.9	99.9	99 <b>.</b> 9	410.G	999.9	99.9	999.9	999. 9	999.
66	1 140.7	18096.9	75.0	-66.3	99.9	999.9	99.9	99.9	99.9	433.9	999.9	99.9	999.9	999.9	999.
74	3 148.3	20616.3	50.0	-59.4	99.9	999.9	99.9	99.9	99.9	503.7	999.9	99.9	99969	999.9	
87	2 156.3	25047.8	25.0	-52.2	99.9	999.9	99.9	99.9	99.9	635.1	999.9	99.9	999.9	999. 9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TENE MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 405 STERLING. VA

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						24		1975					_		_	
							2015 G	MT					1.	64 16	• 0	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFP	MB	CG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ρG	
0.0	6.2	€5∙0	999.1	23.9	12.5	220.0	6.2	4.0	4.7	298•4	323 • 1	9.2	49.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	59.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99909	994.	
0.7	8. 7	298.5	975.0	23.0	12.0	204.3	12.7	5.2	11.5	299.5	324.1	9.1	50.0	0.4	28.	
1.4	10.9	524.3	950.0	21.0	11.1	208.3	13.7	6.5	12.0	299.7	323.6	8.8	53.1	0.9	27.	
2.0	13.4	754.5	925.0	18.9	10-4	211.1	14.2	7.4	12.2	299.8	323.2	8.6	5 <b>7.9</b>	1.5	26.	
2.8	15.8	989.3	900.0	17.0	9.7	215.8	15.5	9.0	12.5	300.1	323.1	8. 5	62.4	2.2	30.	
3.6	18.3	1226.9	875.0	14.6	9.2	219.1	16.8	10.6	13.1	300.1	323.0	6.4	69.9	2.9	32.	
4.5	20.3	1473.6	850.0	12.8	8.5	228-3	15.7	11.7	10.4	300.6	323.0	8. 2	75 • 1	3.8	34.	
5.3	23.3	1724.0	825.0	11.0	7.2	236.9	15.2	12.8	8.3	301.2	322.6	7.8	77.6	4.5	38.	
6.2	- 25• 9	1980 . 5	800.0	9.6	6.7	242.9	17.6	15.7	8.0	302.4	323.7	7.7	81.9	5.3	41.	
6.9	28.5	2243.8	775.0	7.7	5.6	250.4	19.6	18.5	6.6	303.1	323.5	. 7.4	86 <u>.</u> 3	6.0	44.	
7.7	31.3	2513.8	750.0	5.9	4.9	256.2	22.2	21.6	5.3	304.0	324 • 2	7.3	92.7	6.9	4 6	
8.5	34.2	2791.3	725.0	4.9	3• ≧	258.0	23.9	23.4	€. 0	305.7	324.5	6.7	86.3	7. 9	52.	
9.4	36.9	3077.8	700.0	4.0	0.5	257.3	23.8	23.3	5.2	307.7	324•1 .	5+7	78.0	9 <b>.</b> 1	56.	
10.4	39.9	3372.7	675.0	1.4	-1.0	256.3	23.1	22.4	5.5	307.9	323.2	5.3	83.8	19.3	59.	
11.4	42.6	3675.9	650.0	-0.9	-2.0	255.7	25.0	24.2	6. 2	308.5	323.3	5.1	92.5	11.8	61.	
12.4	45.5	3988.6	625.0	-2.3	-3.2	258.6	24.8	24.3	4.9	310.4	324.5	4.8	93.4	13.3	63.	
13.4	48.3	4312.4	600.0	-4.0	-4.9	257.0	25.6	25.0	5.7	312.1	325.2	4.4	93.1	14.7	64.	
14.3	51.7	4647.6	575.0	-6.0	-7.2	255.1	27.8	26.9	7.1	313.4	325.0	3. 9	91.7	16.1	65.	
15.4	55. )	4993.8	550 ⋅ €	-9.1	-11.2	253.7	26.9	25.9	7.6	313.6	322.6	2.9	84.8	18.0	60.	
16.4	50.0	5353.1	525.0	-10.9	-12.0	254.9	29.2	28•2	7.6	315.7	324.6	2.9	91.1	19.6	67.	
17.5	61.5	5726.8	500.0	-13.6	-16.8	256.5	30 • 3	29.4	7. 1	316.6	323.2	2. i	77.2	21.6	0 Be	
18.7	65.0	6114.5	475.0	-15.7	-19.6	261.8	26.1	25.9	3. 7	316.6	324.2	17	71.4	23.6	69.	
19.9	68.3	6522.0	450.0	-17.3	-21.3	265.2	23.1	23.0	1.9	321.6	326.7	1.5	70.5	25.4	70.	
21-1	71.3	6948.1	425.0	-20.4	-24.7	263.6	20.0	19.9	2.2	322.9	327.0	1.2	68.3	26. A	70.	
22.4	75.7	7394.3	400.0	-23.7	-27.9	265.9	22.4	22.4	1.6	324.2	327.5	1.0	68.2	28.4	71.	
23.8	79.7	7862.9	375.0	-27.2	-31.5	267.3	23.4	23.4	1. 1	325.6	328.1	0.7	66.4	30.2	72.	
25.4	63.6	8356.0	350.0	-31.1	-36.6	270.5	29.4	29.4	-0.2	326.8	328.5	0.5	57.A	32.9	73.	
27.1	£7.7	8876.9	325.0	-35.4	-41.7	274.5	27.8	27.7	-2.2	327.8	328.9	0.3	52.2	1 35.3	75.	
28.8	92.2	9428.5	300.0	-40.4	99.9	273.3	27.0	27.0	-1.5	328.5	999.9	99.9	999.9	38.0	76.	
30.6	96.5	10015.5	275.0	-45.5	99.9	274.3	26.7	26.6	-2.0	329.3	999.9	99.9	999.9	40.9	78.	
32.6	101.4	10643.3	250.0	-51.2	99.9	276.9	24.5	24.3	-2.9	330.0	999.9	99.9	999.9	44.0	79.	
34.8	106.5	11319.2	225.0	-57-1	99.9	276.6	25.9	25.7	-3.0	331.0	999.9	99. 9	999.9	47.3	86.	
37.3	112.0	12052.5	200.0	-63.9	59.9	278.3	34.3	33.9	-5.0	331.6	999.9	99.9	999.9	51.3	82.	
40.2	118.9	12958.4	175.0	-70.3	99.9	286.5	35.6	34.1	-10.1	334.0	999.9	99.9	999. 9	57.0	84.	
43.4	124.3	13800.5	150.0	-62.9	99.9	267.0	21.3	21.3	1.1	361.7	999.9	99.9	999.9	61.1	85.	
47.6	121.0	14930.1	125.0	-59.3	99.9	276.7	34.0	33.8	-4.0	387.6	999.9	99.9	999.9	68.1	96.	
52 . 5	138.6	16333.0	100.0	-59.1	99.9	291.9	15.6	14.7	-5.9	413.5	999.9	99.9	999.9	76.0	88.	
59.3	147.0	18107.3	75.0	-66.6	59.9	304.3	13.0	10.7	-7.3	433.2	999.9	99. 9	999.9	79.0	89.	
67.0	155.7	20625.7	50.0	-58.6	99.9	349.8	4.4	0.8	-4.4	505.5	999.9	99.9	999.9	81.0	90.	
									4 4	470 4	000.0	00.0	000.0	21 6		

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 425 HUNTINGTON, BVA

## 24 APRIL 1975 2040 GMT

103 168. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	Ku	DG -
0.0	7.4	246.0	982.1	17.2	15.5	230.0	4.1	3.1	2.6	293.4	323.0	11.4	90.0	0.0	n.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	97.9	999.9	99.9	999.9	994.9	999.
0.1	7.9	308.2	975.0	17.0	15.2	240.1	11.4	9.9	5.7	293.8	323.0	11.2	88.8	0.2	49.
0.8	10.1	530.1	950.0	16.1	12.3	240.6	14.0	12.2	ۥ 9	294.8	319.9	9.5	78.2	0.5	62.
1.3	12.1	758.2	925.0	17.8	12.8	241.1	15.9	13.9	. 7.7	298.9	325.9	10-1	72.3	C. 9	51.
2.0	14.3	992.7	900.0	16.5	10.8	253.7	23.7	22.7	6.7	299.7	324.2	9.1	69.0	1.6	
2.6	16.4	1232.4	875.0	15.0	9.3	256.0	26.9	26.1	6.5	300.5	323.5	8 • 5	68.9	2.7	
3.2	18.6	1477.5	850.0	13.2	8.7	251.6	23.9	22.7	7.5	301 • 1	324.0	8.4	74.3	3. 5	59.
4.0	20.9	1728.1	825.0	11.2	9.2	255.5	24.3	23.5	6.1	301.6	325.9	8.9	87.7	4.6	76.
4.7	. 23. 2	1984.9	800.0	9.3	7.0	258.4	25.6	25.1	5.2	302.1	323.9	7. 9	85.6	5. 8	
5.3	25.5	2248.1	775.0	7.4	6.2	258.9	25.2	24.8	4.8	302.8	324.1	7. 7	92.4	6.7	
6.1	28.0	2517.8	750.0	5.9	4.7	261.0	24.4	24.1	3 € 8	303.9	323.9	7.2	92.0	7.7	
6.8	30.5	2795.4	725.0	4.4	2.0	262.7	25.1	24.9	3.2	305.0	322.3	6.1	84.6	8.9	
7.7	33.1	3080.8	700.0	2.8	0.6	264.8	25.7	25.6	2. 3	306.4	322.7	5.7	85•4	10.2	
8.5	35.6	3375.5	675.0	1.6	0.2	266.9	25.5	25.5	1.4	308.2	324.7	5.8	90.1	11.4	
9.3	38.2	3679.0	650.0	-0.3	-1.5	269.9	24.7	24.7	0.1	309.2	324.5	5 • 3	91.5	12.6	
10.1	40.8	3992.5	625.0	-1.9	-3.7	272.9	24.8	24.7	-1.3	310.9	324.6	4.7	87.5	12, 8	
11.0	43.6	4316.6	600.0	-3.9	-5.5	273.3	25.8	25.7	-1.5	312.2	324.8	4.2	86.6	15.1	81.
, 11.9	46.4	4651.9	575.0	-5.6	-7.1	272.2	27.2	27.2	-1.1	313.9	325.6	3.9	88.7	16.4	62.
12.9	49.4	4999.8	550.0	-7.6	-9·3	272.2	26.0	28.0	-1.1	315.5	326.0	3.4	87.1	18.1	42∙
13.7	52.1	5361.1	525.0	-9.6	-11.5	272.5	28.5	28.5	-1.3	317.3	326.6	3.0	85.5	19.4	
14.7	55.2	5736.9	500.0	-11.8	-14.0	271.9	28.7	28.7	-1.0	318.9	327.0	2.6	83.5	21.1	
15.7	58. 3	6128.4	475.0	-14.2	-16.7	270.8	27.4	27.4	-0.4	320.6	327.5	2.2	81.3	22.7	A5.
26.7	61.6	6537.1	450.0	-16.6	-19.4	268.7	27.9	27.9	0.6	322.5	328.4	1.8	78.9	24.4	85.
17.5	65.0	6964.3	425.0	-19.4	-22.4	261.4	26.9	26.6	4.0	324.2	329.2	1.5	76.9	26. 3	85.
18.8	68.3	7412.9	400.0	-22.6	-20.2	256.4	26.9	2641	6 <b>.</b> 3	325.6	329.4	1.1	72.5	27.3	85.
19.9	71.7	7882.9	375.0	-26.4	-29.4	256.3	25.7	25.0	6.1	326.7	329.7	0.9	75.4	29.7	84.
21.0	75.5	8378.1	350.0	-30-2	-34+6	256.6	27.8	27.0	6.4	328.1	330.1	0.6	65.0	31.4	
22.2	79.3	8931.3	325.0	-34.3	-39.2	255.0	27.3	26.4	7 . 1	329.3	330.7	0.4	60.5	33. 3	A3.
23.5	83.2	9455.5	300.0	-39-1	-43.7	251.7	27.3	25,9	8.6	330.2	331.1	0.3	61.0	35.4	
24.9	67.4	10046.7	275.0	-43.6	99.9	24617	26.3	24.2	10.4	332.0	999.9	99.9	995.9	37.8	82.
26.7	92.0	10678.6	250.0	-49.6	99.9	246.9	28.1	25.8	11.0	332.3	999.9	99. 9	999.9	40.5	81.
28-1	\$6.9	11358.2	225.0	-56-1	99.9	241.7	24.9	21.9	11.8	332.5	999.9	99.9	999.9	42.5	80.
29.8	101.8	12094.6	200.0	-62.9	99.9	250.7	24+3	22.9	8.0	333.1	999.9	99.9	999.9	44.8	79.
31.8	107.4	\$2905.2	175.0	-67.5	99.9	999.9	99.9	99.9	99.9	338.6	999.9	99.9	999.9	999. 9	999.
99.9	99.9	99.9	150.0	99.9	99.9	99.7	99.9	99.9	99.9	99.9	999.9	99.9	999.9	<b>3</b> 66. 8	9790
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	\$9. <b>3</b>	99.9	75.0	99.9	99.7	99.9	99.9	99.9	99 <b>. 9</b>	99.9	999.9	99.9	999.9	999.9	999.
99.9	59.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	9909	999.9	99.9	999.9	999.9	929.
90.0	00.0	99.9	25.0	99.9	99.9	09.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	9995

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 429 DAYTON. CHIO

## 24 APRIL 1975 2015 GMT

137 53. 0

,	IME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
	MIN		GFM	MB	DG C	DG C	DG	M/SEG	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	nG
	- <del>1</del> 707															
	0.0	8.2	298.0	975.0	18.5	15.9	205.0	1.5	0.6	1.+ 4	295.3	326.2	11.8	95.0	0.0	C •
	99. 9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
	99.9	99. F	99.9	975.0	. 99. 9	99.9	99.9	99.5	99.9	99.9	99.9	999.9	99.9	999.9	999• 9	
	0.8	10.2	520.6	950.0	16.7	12.6	999.9	99.9	99.9	99.9	295.5	321.1	9.7	76e5	999• 9	
	1.5	12.4	747.8	925.0	15.4	12.0	999.9	99.9	99.9	99.9	296.4	321.9	9.6	80.3	999. 9	
	2.4	14.7	979.7	900.0	13.0	11.4	292.3	7.0	6.5	-2.6	296.1	321.3	9.5	90.3	C. 8	100.
	3.4	16.5	1216.4	875.0	. 11.3	9.6	294.5	8.7	7.9	-3.6	296.7	319.8	8.6	89.5		105.
	4.2	19.0	1458.5	850.0	10.4	6.8	295.2	9.0	8.2	-3.8	298.0	317.9	7.3	78.2		108.
	5.3	21.3	1706.8	825.0	8.6	5.5	290.0	9.5	8.9	-3, 3	298.6	317.4	6.9	80.5		109.
	6.2	23.6	1961-1	800.0	7.1	5.1	293.9	5.4	4.9	-2.2	299•7	318.6	6.9	86.8		109.
	7.2	.25. 9	2221.9	775.0	5.3	4.3	302.8	5.0	4.2	-2.7	300.3	318.9	6.8	93.6		110.
	8.3	28.4	2489.5	750.0	3.8	0.7	314.5	6.0	4.3	-4.2	301.4	316.6	5.4	80.4		112.
	9.3	31.0	2764.8	725.0	2.5	-1.8	318.1	7. 7.3	4.8	-5.4	302.6	316.0	4.6	73.2	3. 7	115.
-	10.3	33.6	3048.4	700.0	1.3	-3.2	318.2	6.2	4.1	-4.6	304.5	316.9	4.3	71.8	4 • 1	117.
	11.3	36.0	3340.7	675.0	-0.3	-5.6	310.4	5.8	4.4	-3.8	305.8	316.7	. 3.7	67.2		119.
	12.3	38.7	3642.1	650.0	-2.1	-6.9	278.1	- 8.4	8.3	-1.2	307-1	317.4	3.5	69.3	4.8	119.
	13.4	41.3	3953.2	625.0	-3.4	-6.9	259.6	15.3	15.1	2.8	309.0	319.9	3.7	76.9	5. 4	115.
	14.4	44.1	4275+9	600.0	-4.4	-7.0	256.0	20.4	19.8	4.9	311.4	322.7	3.8	82.5	6.4	108.
	15.7	47.3	4610.1	575.0	-6.8	-9.0	256.3	23.4	22.7	5.5	312.5	323.4	3.6	90.9	7. B	102.
	17.0	50.0	4956+3	550.0	-9.0	-11.2	256.6	24.4	23.9	5.7	313.8	322.8	3.0	84.1	9. 6	97.
	18.1	52. 9	5315.6	525.0	-10.5	-19.0	260.2	27.3	26.9	4.6	315.9	321.1	1.6	49.9	11.3	94.
	19.2	55.9	5691.2	500.0	-11.0	-35.8	266.9	27.0	27.0	1.5	319.6	320.9	0.4	11-1	13.0	72.
	20.6	59.0	6082.8	475.0	-14.0	-50.2	272.0	27.0	27.0	-0.9	320.6	320.9	0.1	2.9	15.3	42.
	22.1	62.3	6491-0	450.0	-16.9	-48.0	273.4	26.8	26.8	-1.6	321.9	322.3	0.1	4.7	17.7	92.
	23.7	65.7	6917.9	425.0	-20.3	-39.5	268.2	29.1	29 • 1	0.9	323.0.	324.0	0.3	16.1	20.4	92.
	25.5	69.1	7363.8	400.0	-23.6	-33.6	263.0	31.3	31.1	3.8	324.3	326.3	0.6	39.1	23.5	91.
	27.1	72.5	7832.7	375.0	-26.9	-40.2	259.4	28.7	28.2	5.3	325.9	327e0	0.3	26.8	26.5	30.
	28.8	7c. 3	8326.3	350.0	-30.8	-41.3	256.4	30.8	29.9	7.2	327.2	328.3	0.3	35.4	29.5	49.
	30.5	₽0• 3	8847.7	325.0	-35.3	-42.7	253.1	33.8	32.3	9.8	328.0	329.0	0.3	46.2	32.7	97.
	32.4	84.3	9400.5	300.0	-39.3	-48.8	250.1	35.0	32.9	11.9	329.9	330.5	0.1	35.1	36.5	86.
	34.5	88.5	9990-0	275.0	-44.4	99.9	244.2	34.8	31.3	15.1	330.9	999.9	99.9	999.9	40.8	84.
	36.7	93.2	10621.2	250.0	-49.6	99.9	239.4	33.8	29.1	17.2	332.3	999.9	99.9	999.9	44.5	AŻ.
	39.3	98.0	11302.8	225.0	-55.0	99.9	229.4	29.4	22.3	19.1	334.2	599.9	99.9	999.9	49.4	79.
	41.8	103.2	12044.7	200.0	-61.1	99.9	241.9	34.0	30.0	16.0	336.1	999.9	99.9	999.9	53.5	77.
٠,	44.4	109.0	12864.2	175.0	-64.3	97.9	265.5	30.2	30.1	2.4	343.9	999.9	99.9	999.9	58. 6	77.
•	47.6	115.2	13803.4	150.0	-64.3	99.9	266.5	27.6	27.0	1.7	359.4	999.9	99.9	999.9	64.1	77.
	51.4	122.0	1494106	125.0	-56-2	99.9	265.9	29.4	29.3	2. 1	393.3	999.9	99.9	999.9	71.1	78.
1	56.0	129.3	16349.7	100.0	-58.8	99.9	266.4	23.7	23.7	1.5	414.1	999.9	99.9	999.9	78.4	79.
	61.8	137.3	18146.6	75.0	-60.8	99.9	269.5	5.9	5.9	0.1	445.4	999.9	99.9	959.9	83.7	79.
	99.9	59.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	ç 9. 9	99.9	999.9	99.5	999.9	999.9	999.
	99.9	99.9	99.9	25.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	993.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 . DEG

<sup>\*</sup> BY TEMP WEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NU. SALEM. ILL

APRIL 1975 2033 GMT

158 28. V CEMP POT T E POT T MX RTD RH RANGE AZ CEW PT DIR U COMP TIME CNTCT HE I GHT PRES TEMP SPEED GM/KG PCT K4 DĠ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SFC DG K DG K 175.0 991.0 296.0 323.6 10.5 67.0 0.0 0. 20.7 14.4 110.0 3.1 -2.9 1.1 0.0 5.5 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99.9 1000.0 99.9 99.9 99.9 59.9 1.2 59.5 0.1 292. 975.0 19.3 11.2 208.0 1.3 0.6 295.7 318.7 8.6 6.6 315.6 0.5 0.1 376. 538.5 0.1 295.9 318.9 8.7 66.3 1.2 8-8 950.0 17.3 10.9 106.3 0.4 -0.4 0.1 292. 765.8 -0.4 70.2 925.0 15.4 10.0 20.4 1.1 -1.0 296.2 318.6 8.4 2. 1 1 C. 8 7.5 67.8 C. 1 254. 997.8 -0.7 -3.2 296.8 317.1 900.0 13.9 8.0 12.2 3.3 2.8 13.0 69.5 0.3 214. 358.7 0.1 -5.1 296.7 315.3 6.8 1234.5 875.0 11.6 6.2 5.1 3.6 15.2 65.6 0.5.193. 315.9 1477.2 850.0 11.0 455 323.9 5.1 3.0 -4.1 298.5 6.4 4.3 27.4 58.7 0.6 166. 2.5 289.4 7.7 7.3 -2.6 300.1 315.6 5.6 5.2 19.7 1726.3 825.0 10.2 53.1 1.0 140. 0.7 -2.0 316.6 5. 1 21.9 1982.1 800.0 9.8 278.9 12.6 12.5 302.3 6.0 1.7 119. 317.0 4.5 48.6 6.9 24.3 2245.7 775.0 9.0 -1.3 272.9 18.7 18.7 -1.0 304.0 2.7 198. 33.0 7.7 2517.1 75000 8.6 -6.7 271.3 21.9 21.9 -0.5 306.3 315.5 3. 1 26.6 3. 9 103. 2796.8 725.0 7.4 -14.0 272.9 22.5 22.5 -1.1 307.8 313.3 1.8 20.0 8.6 29.1 17.5 5. 2 101. 700.0 -16.8 274.4 23.7 23.6 -1.8 309.1 313.7 1 . 5 9.6 31.7 3084.6 5.5 6.7 -1.8 310.1 314.4 1.4 18.4 94. 10.6 34.3 3361.1 675.0 3.8 -18.0 274.0 25. T 25.7 -1.9 310.2 314.0 1.2 18.7 8.2 98. 1.0 -20.2 274.3 25.4 25.4 11.5 36.8 3686.1 650.0 19.6 9.6 98. 3999.9 -21.6 275.5 24.3 24.2 -2.4 310.9 314.4 1.1 12.5 39.6 625.0 -1.4 98. -2.9 311.3 314.5 1.0 21.2 11-1 -4.2 -23.1 276.9 24.4 24.2 13.6 42.2 4323.4 600.0 37. 26.7 12. 4 -7.3 -23.2 277.5 24.4 -3.2 311.5 314.8 1.0 45.1 4656.9 575.0 24.6 14-4 35.5 14.0 98. -3.9 312.7 316.5 1.2 15.5 48.0 5001.3 550.0 -9.7 -22.0 278.7 25.9 25.6 15.9 98. 318.0 0.5 15.8 -31.3 279.5 26.2 -4.4 316.2 16.7 50. 9 5360.8 525.0 -10.2 26.6 0.3 11.1 17.9 98. 317.4 318.5 17.9 54.3 5734.3 500.0 -12.8 -36.9 275.3 30.2 30.0 -2.8 97. 319.5 320.9 0.4 15.3 20. 5 19.3 57.0 6124.5 475.0 -14.9 -35.4 265.7 33.8 33.7 2.5 0.4 75. 19.1 23.3 60.4 6531.0 450.0 -18.5 -36.2 264.0 34.8 34.6 3.6 320.0 321.3 20.6 321.1 18.9 26. 1 94. 22.0 64.0 6954.0 425.0 -22,5 -39.8 265.3 36.3 36.2 3.0 320.1 0.3 31.4 27. 1 93. 7395.8 400.0 -39.5 263.0 35.2 34.9 4. 3 320.7 321.9 0.3 23.4 67.3 -2644 31.9 322.5 324 . 1 0.5 52.5 92. 7C-9 7859.4 375.0 -29.5 -36.1 262.5 33.3 33.1 4.1 24.7 325.1 0.3 49.9 35.1 92. -33.2 -40.0 38.5 38.5 0.8 323.9 26.4 74.7 8348.3 350.0 268.8 49.9 39.0 91. ~37.2 269.0 39.8 39.8 0.7 325.3 326.2 0.2 78.8 8864.6 325.0 -43.8 28.0 999.9 91. 999.9 99.9 43. 3 29.7 83.0 9411.9 300.0 -42=4 99.9 266.8 41.1 41.0 2. 3 325.7 91. 999.9 42.6 3.8 327.5 999.9 99.9 48. 3 87.2 9994.8 275.0 -46.7 99.9 264.9 42.8 31.7 999.9 70. 99.9 53.2 10621.1 250.0 -51.0 99.9 266.8 40.5 40.4 2. 3 330.2 999.9 33.8 92.0 999.9 69. 262.2 333.6 999.9 99.9 58.7 97.0 11300.4 225.0 - 55.4 99.9 38.9 .38.6 5.3 36.2 999.9 65.0 38. 102.5 12043.5 200.0 -60.2 99.9 254.3 39.3\* 37.8 10.6 337.4 999.9 99.9 38.8 999.9 70. 7 97. -63.5 99.9 253.4 32.6+ 31.3 9.3 345.1 999.9 99.9 108.5 12868.4 175.0 41.6 999.9 77.7 150.0 59.9 267.7 30.3\* 30.3 1.2 369.7 999.9 99.9 86. 44.7 115.0 13824.5 -58.2 999.9 83.9 86. 122.7 257.4 27.3+ 26.6 6.0 386.0 999.9 99.9 14969.7 125.0 -59-1 99.9 48.8 -57.6 416.5 999.9 99.9 995.9 92. 5 86. 131.0 16368.5 100.0 99.9 283.0 17.9. 17.4 -4.0 53.5 99.9 999.9 97.3 56. 59.9 259.4 12.7\* 12.5 2.3 444.5 999.9 18159.7 -61.2 59.4 140.5 75.0 999.9 101.0 86. 282.1 508.7 999.9 99.9 20699.6 50.0 -57.2 99.9 1.7 1.7 -0.4

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451 DODGE CITY. KAN

24 APRIL 1975

2015 GMT

		1 2					100 mg (2000)										
	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	<b>P</b> IN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	4/SEC	DG K	DG K	GM/KG	PCT	KM	, <b>D</b> G	
	0.0	13.7	791.0	920.4	21.7	12.0	20.0	8.2	-2.8	-7.7	303•2	329.6	9.6	54.0	0.0	0.	
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	97.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
	99.9	59.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	¢9.9	99.9	999.9	99.9	999.9	999.9	999.	
	99.9	99. 9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
	99.9	99. 3	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	399.	
	0.9	15.7	994.1	900.0	17.9	9.9	20.3	11.2	-3.9	-10.5	301.1	324.4	8.5	59.4	0.5	198.	
	1.8	16-1	1224.1	875.0	15-1	8.8	23.3	8.3	-3.3	-7.6	300.5	322.8	8.2	66.3	1.2	201.	
	3.0	20.5	1469.4	850.0	13.3	9.4	26.1	9.9	-4.7	-8.7	301.2	325.0	8.7	77.2	1.7	203.	
	3.9	23.2	1720.1	825.0	11.0	9.2	27.5	9.1	-4.2	-8.0	301.5	325.8	8.9	88.6	2. 3	204.	
	4.8	25 • 7	1976.9	800.0	9.4	8.4	45.9	5.5	-4.2	-3.6	302.3	326.1	8.7	93.1	2.7	205.	
	5.7	29.3	2240.2	775.0	7.8	6.9	74.1	5.7	-5.5	-1.6	303.3	325.6	8.1	93.6	2. 9	209.	
	6.6	21.2	2510.3	750.0	5.8	3,2	121.6	1.9	-1.7	1.0	303.8	322.3	. 6.6	84.6		213.	
	7.8	34.0	2757.3	725.0	6.2	-5.2	219.2	5.0	3.2	3. 9	306.8	317.3	3.6	43.5	2.8	213.	
•	9.0	36.7	3074.0	700.0	4.3	-22.8	226.3	7.1	5.1	4.9	307.4	310.2	0.9	11.7	2. 4		
	9.9	39.6	3368.4	675.0	1.8	-23.7	231.6	7.0	5.5	4.3	307.7	310.4	0.8	13.0	2.0	208.	
	11.1	42.3	3671.4	650.0	-0.4	-24.5	254.4	7.4	7.1	2.0	308.6	311.2	0.8	14.0	1.6		
	12.3	45.3	3983.3	625.0	-3.3	-23.5	250.0	9.5	8.9	3.2	308.8	311.8	0.9	19.0	1.4		
	13.5	40.4	4304.6	600.0	-5.8	-21.5	252.1	9.7	9.2	3.0	309.6	313.2	1.1	27.6		144.	
	14.9	51.4	4636.4	575.0	-8.5	-20.0	270.1	14.3	14.3	-0.0	310.2	314.4	1.4	38.8	1.9	120.	
	16.2	54.6	4979.6	550.0	-11-1	-25.8	261.2	11.5	11.4	1.8	310.9	313.7	0.9	28.7	3. 2	109.	
	17.6	57.5	5335.5	525.0	-12.8	-38.4	251.1	14.8	14.0	4.8	313.0	313.9	0.3	9.6	3.8		
	19.2	61.1	5705.8	500.0	-15.4	-37.5	257.9	17.6	17.2	3.7	314.3	315.3	0.3	13.0	5.3	93.	
	20.6	64.6	6091.6	475.0	-17.8	-43.2	263.6	19.0	18.8	2.1	316.0	316.6	0.2	8.7	6. 9	9.00	
	22.1	68.0	6493.5	450.0	-21.0	-48.0	263.5	18.6	18.7	2. 1	316. B	317.2	0 a 1	6.7	8.5	. 49.	
	23.5	71.4	6912.5	425.0	-24.9	-55.1	265.8	18.7	18.6	1.4	317.1	317.3	0.2	4.3	10. I	88.	
	25.1	75.3	7350.1	400.0	-28.5	-68.2	268.3	19-1	19-1	0.6	317.9	317.9	0.0	1.0	11.9	86.	
	26.7	79.3	7808.7	375.0	-32.6	-70.9	259.3	22.7	22.3	4,2	318.4	318.5	0.0	1.0	13.9	BF.	
ď	28.4	63.0	8292.2	350.0	-35.5	-72.4	253.5	29.4	28.2	8.4	320.8	320.8	0.0	1.1	16.4	56.	
	30.3	87. 2	8803.6	325.0	-39.8	99.9	247.1	33.6	30.9	13.1	321.8	999.9	99.9	999. 9	20. U	83.	
	32-1	91.5	9346.0	300.0	-43.9	99.9	244.9	37.8	34.2	16.1	323.5	999.9	99.9	999.9	23.8	80.	
	34.3	96.2	9924.4	275.0	-48.3	99.9	238.6	44.4	37.9	23.1	325.3	999.9	99.9	999.9	29 <b>.</b> i	77.	
	36.4	100.8	10545.7	250.0	-52.2	99.9	244.8	49.2	44.5	20.9	328.4	999.9	99.0	999.9	34. 6	74.	
	38.8	106.2	11221.7	225.0	-55.8	59.9	247.2	45.3	41.8	17.6	333.0	999.9	99.9	999.9	41.4	73.	
	41.1	111.9	11967.7	200.0	-57.2	99.9	246.5	46.0	42.1	18.3	342.2	999.9	99.9	999.9	47.3	7.2 .	
	43.9	117.8	12815.7	175.0	-55.2	99.9	252.9	33.0	31.6	9.7	358.9	999.9	95.9	999.9	53. 5	72.	
	46.9	124.7	13792.9	150.0	-56.4	99.9	259.0	32.6	32.1	6.2	372.9	999.9	99.9	999.9	59 • 3	. 72.	
	50.3	131.7	14548.4	125.0	-56.7	99.9	260.0	31.2	30.8	5.4	392.3	999.9	99.9	999.9	65. B	73.	
	54.7	139.5	16362.9	100.0	-57.7	99.9	241.4	21.7	19.1	10.4	416.2	999.9	99.9	999.9	72.2	73.	
	60-1	147.5	19167.6	75.0	-57.5	99.9	267.5	12.7	12.7	0.6	452.4	999.9	99.9	999.9	79.3	73.	
	67.6	156.7	20715.4	50.0	-56.1	99.9	281.0	8.9	8.8	-1.7	511.3	599.9	99.9	999.9	63. 6	74.	
	80.0	166.7	25212.5	25.0	-49.6	99.9	999.9	99.9	99.9	99.9	642.6	999 • 9	99.9	999.9	999. 9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10- DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 456 TOPEKA. KAN

24 APRIL 1975 2050 GMT

91 214. 0 MX RTC TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T RH RANGE AZ GFM M/SEC M/SEC DG K GM/KG PCT KM ÐG MIN MB DG C DG C DG M/SEC DG K 978.5 297.4 333.4 13.7 0.0 0-0 6.4 268.0 20.6 18.4 20.0 2.6 -0.9 -2.4 87.0 0. 99.9 999.9 999. 99.9 99.3 99.9 1000.0 99.9 99.9 99.9 99.9 99.3 99.9 999.9 99.9 999.9 299.1 975.0 20.0 -1.6 -2.5 297.0 330.1 12.6 82.3 0.1 2940 0.0 6.7 16.9 36.7 3.1 -2.8 325.7 79.5 0. 2 222. 0.5 8. 7 522.8 950.0 17.9 14.3 51.0 4.5 -3.5 296.9 10-9 -3.5 297.1 84.1 0.4 228. 750.9 925.0 13.3 50.2 -4.2 324.8 10.5 1.6 10.6 16.0 5.5 41.3 297.8 0.7 225. 983.7 900.0 14.5 12.4 2.0 -1.3 -1.5 324 . 8 10.1 87.1 2.4 12.7 0.8 1222.5 292.6 -0.3 299.9 325.6 9.6 81.4 0.7 220. 3.1 14.8 875.0 14.3 11.1 0.9 77.6 0.5 223. 1467.3 850.0 12.8 259.9 1.2 1.2 0.2 300.6 323.8 8.5 3.9 16.8 8.9 271.7 302.0 323.5 7.8 74.1 0.6 217. 1718.1 -0.1 4.6 19.1 825.0 11.7 7.3 2.9 2.9 0.5 6.8 0.5 193. 5.6 1975.0 800.0 261.3 4.2 4.2 302.6 321.5 70.5 51.1 9.9 4.8 2239.9 236.3 304.1 321.3 6.1 66.7 0.4 155. 23.5 775.0 3.6 3.0 2.0 6.5 8.8 3.0 99.9 304.6 999. 9 937. 7.5 25.7 2509.8 750.0 999.9 99.9 99.9 323.4 6.7 82.0 6.6 3.7 **999.** 9 999. 2797.9 999.9 99.9 99.9 306.2 323.7 6.2 79.6 8.4 28.0 725.0 5.4 2.1 99.9 3074.5 999.9 999. 9.3 30.5 700.0 3.5 0.1 999.9 99.9 99.9 99.9 307.1 323.0 5.5 78.5 77.4 2.3 5 8. 10.2 33.0 3368.8 675.0 1.2 -2.3 227.9 13.0 9.7 8.7 307.6 321.5 4.8 11.1 35.5 3672.1 650.0 -1.0 -4.1 236·8 13.4 11.2 7.4 308.4 321.1 4.4 79.1 3.0 57. 12.2 38.0 3983.9 625.0 -3.4 -5.0 241.2 15.7 13.8 7. 6 309.1 321.5 4.2 88.6 3.9 54. 13.3 4306.8 600.0 +11.7 242.1 17.6 15.6 8.3 311.0 319.0 2.6 58.1 5. 0 59. 40.6 -4.7 14.5 43.3 4640.1 575.0 -7.4 -17.6 245.4 18.9 17.2 7.9 311.5 316.7 1.7 43.6 6.4 60 -24.3 7.7 61. 4985.1 550.0 25360 19.4 18.5 5.7 313.2 316.4 1.0 28.0 15.7 46.2 -9.2 €343.2 -11.6 -25.5 251.9 20.5 19.5 314.6 317.6 0.9 30.4 9.0 6.3 16.5 49.1 525.0 6.4 245.8 10.5 5715.3 500.0 20.6 315.7 319.6 1.2 48.1 64. 19.0 52.0 -14.3 -22.8 18.8 8.4 6102.8 -27.2 239.8 17.9 15.5 9.0 310.9 319.8 0.9 40.8 11.9 64. 19.2 55.1 475.0 -17.0 242.3 20.5 58.1 6505.9 450.0 -32.0 19.0 15.8 8.6 317.7 319.7 0.5 34.0 13. 3 63. -20.3 -31.7 318.9 321.0 0.6 46.8 15.0 21.9 61.5 6926.8 425.0 -23.5 246.6 23.4 21.5 9.3 64. 23.4 65.0 7366.9 400.0 -27.2 -34.0 244.4 25.9 23.4 11.2 319.6 321.4 0.5 52.2 17. 3 64. 25.0 68.4 7829.6 375.0 -30-2 -36.4 243.9 28.6 25.7 12.6 321.6 323.1 0.4 54.1 19.5 64. 6316.2 350.0 -34.7 -39.6 247.0 32.4 29.8 12.7 321.9 323.2 0.3 60.6 22.5 64. 26.5 72.0 76.9 246.8 0.3 74.8 26. 1 64. 28.2 8829.7 325.0 -36.6 -41.4 38.5 35.4 15.2 323.4 324.5 248.4 999.9 30.2 324.4 999.9 9909 65. 29.9 80.1 9374.7 300.0 -43.2 99.9 43.1 40.1 15.9 9955.0 326.0 999.9 99.9 99949 34.8 65. 275.0 -47.8 249.4 43.5 16.3 31.6 .e4. 3 99.9 46.5 999.9 40.5 66. -53.2 249.9 47.8 44.9 326.9 999.9 99.9 33.6 88.8 10576-4 25C.0 99.9 16.5 999.9 331.8 999.9 99.9 999.9 999. 999.9 99.9 99.9 99.9 36.0 53. 9 11249.6 225.0 -56.6 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 200.0 99.9 99.9 999.9 999. 9 999. 175.0 99.9 999.9 99.9 29.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 150.0 99.9 99.9 99.9 99.9 99.9 99. 3 99.9 999.9 99. 9 999.9 999.9 999. 5 995. 99.9 99.9 99.9 125.C 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 99.9 99.9 99.9 100.0 99.9 99.9 99.9 75.0 99.9 99.9 99.9 99.9 99.9 949.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9

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<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>8</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 486 FORT TOTTEN. N Y

24 APRIL 1975 2015 GMT

158 20. 0

TIME	CNTCT	<b>FEIGHT</b>	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTG	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	. M/SEC	DG K	DG K	G#/KG	PCT	KM	DG
0.0	4.9	e.o	1009.5	16.6	14.2	959.9	99.9	99.9	99.9	290.3	316.6	10.2	86.0	999.9	999.
0.3	5.6	89.2	1000.0	16.9	15.0	999.9	99.9	99.9	99.9	291.5	319.4	10.6	88.6	999. 9	999.
1.1	7.7	304.9	975.0	15.4	14.3	999.9	99.9	99.9	59.9	292.1	319.6	10.6	93.2	999. 9	999.
2.0	5.7	525.2	950.0	13.9	12.9	995.9	99.9	99.9	99.9	292.6	318.5	9.9	94.0	999.9	999.
2.5	11.9	750.7	925.0	13.8	12.4	999.9	99.9	99.9	99.9	294.7	320.5	9.8	91.1	999.9	999.
3.6	14.2	982.0	900.0	12.6	11-1	999.9	99.9	99.9	99.9	295.8	320.5	9.3	90.6	999. 9	999.
4.3	16.3	1218.4	875.0	11-1	10-0	999,9	99.9	99.9	99.9	296.5	320.2	5.9	92.6	999. 9	979.
5.1	18.6	146C+6	850.0	10.0	9.1	999.9	99.9	99.9	99.9	297.8	320 • 8	8.6.	9400	999. 9	
6.0	20. 9	1708.9	825.0	8.9	8.1	999.9	99.9	99.9	99.9	299.1	321.5	6.3	94.4	9 <b>99.</b> 9	
6.9	23.3	1963.8	800.0	7.5	6.6	999.9	99.9	99.9	59.9	300.1	321.1	7.7	94.3	999. 3	
7.8	25.7	2225.2	775.0	5.8	4.8	993.9	99.9	99.9	99.9	301.0	320.2	7.0	93.3	999. 3	
5.8	28.2	2493.3	750.0	4-1	3.1	999.9	99.9	99.9	99.9	301.8	319.6	6.4	93.1	999.9	999.
9.8	30.7	2768.9	725.0	2.6	. 0.8	999.9	99.9	99.9	99.9	303.1	315.9	5.6	87.7	999.9	
10.8	33.3	3052.4	700.0	1.0	-3.5	999.9	99.9	99.9	99.9	304.2	316.3	4.2	71.9	599 <b>.</b> 5	995.
11.9	35.3	3344.8	675.0	0.2	-3.1	999.9	99.9,	99•9	99.9	306.4	319.5	4.5	78.6	999.9	-
12.9	38.6	3646.7	650.0	-1.6	-5.4	999.9	99.9	99.9	99. 9	307.7	319.2	3.9	75.0	999.9	
14.1	41.3	3958.2	625.0	-3.4	-8.8	999.9	99.9	99.9	99.9	308.9	318.3	3.1	66.3	9 <b>99.</b> 9	999.
15. i	44.1	4280 • 1	600.0	-4.7	-15.7	999.9	99.9	99.9	99.9	310.9	316.7	1.9	41.9	999.9	999.
16.2	47.1	4614.1	575.0	-6.9	-9.4	999.9	99.9	99.9	99.9	312.3	322.2	3.3	81.9	999. 9	999.
17.3	50.2	4960.4	550.0	-8.3	-24:0	999.9	99.9	99.9	99.9	314.4	319.4	1.6	42.2	999 <b>.</b> 9	995.
18.6	53.3	5319.6	525.0	-11.0	-53.0	999.9	99.9	99.9	99•9	315.2	315.4	0.1	1.6	999. 9	
19.9	56.3	5692.4	500.0	-13.8	-45.5	999.9	99.9	99.9	59.9	316.2	317.0	0.2	8. 4	999. 9	999.
21.3	59.6	6081.6	475.0	-14.6	-37.0	995.9	99.9	99.9	99.9	319.8	321 -1	0.4	13.9	999.9	994.
22.9	63.1	6488.5	450.0	-17.8	-31.6	999.9	99.9	99.9	99.9	320.9	322.9	0.6	28.7	999. 9.	999.
24.3	€6.€	6913.4	425.0	-20.9	-29.4	999.9	99.9	99.9	99. 9	322.2	324.9	0.8	45.9	999.9	995.
25.8	70.3	7358.9	400.0	-24.2	-30.7	999.9	99.9	99.9	99.9	323.6	326.1	0.7	54.5	999. 9	999.
27.4	74.0	7825.7	375.0	-28.1	-34.7	999.9	99.9	99.9	59 <b>. 9</b>	324.4	326.3	0.5	53.0	979.9	933.
29.1	78.2	8316.9	350.0	-32.2	-36.6	999.9	99.9	99.9	99.9	325.3	326.7	0.4	52.6	999 <b>.</b> 9	494.
30.9	62-2	8836.0	325.0	-35.6	-42.7	999.9	99.9	99.9	99.9	327.6	328.6	0.3	47.6	999 <b>.</b> 9	939.
32.6	£6.6	9387.6	300.0	-40.2	99.9	999.9	99.9	99.9	59.9	328.7	999.9	99 <b>. 9</b>	999.9	999. 9	999.
34.6	91.4	9974.2	275.0	-45.6	59.9	999.9	99.9	99.9	99.9	329.2	999.9	99.9	999.5	999.9	999.
36.7	96.3	10601.B	250.0	-51.1	99.9	999.9	99.9	99.9	99.9	330.1	999.9	99.9	999.9	999. 9	<b>9</b> 999
30.9	101.5	11277.1	225.0	-57.5	99.9	999.9	99.9	99.9	99 <b>.</b> 9	330.4	999.9	99.9	999.9	999.9	999.
41.3	107.3	12010.3	200.0	-63.6	99.9	999.9	99.9	99.9	99.9	332.0	999.9	99.9	999.9	999.3	999.
43.9	113.3	12823.3	175.0	-67.7	99.9	999.9	99.9	99.9	99.9	338.2	999.9	99.9	999.9	999. 9	999.
47.1	120.0	13755.9	150.0	-62.8	99.9	999.9	99.9	99.9	99.9	361.9	999.9	99.9	999.9	99 <b>9.</b> 9	999.
51.0	127.3	14892.6	125.0	-58.5	99.9	999.9	99.9	99.9	99.9	389.2	999.9	99.9	999.9	999.9	
55.8	135.3	16306.5	100.0	-57.4	99.9	999.9	99 <b>.</b> 9	99. 9	99.9	416.9	999.9	99.9	999.9	999. 9	
61.3	142.7	18112.0	75.0	-60.7	99.9	999.9	99.9	99.9	99.9	445.8	999.9	99.9	599 <b>.</b> 9	999, 3	
69-1	151.0	20654.3	50.0	-57.2	99.9	999.9	99.9	99.9	99.9	508.8	999.9	99.9	999.9	999. 9	
80.5	159.3	25105.2	25.0	-51.7	99.9	999.9	99.9	99.9	99.9	636.6	999.9	99.9	999. 9	999. 9	999.

<sup>#</sup> EV SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG # BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 518 ALBANY. N Y

## 24 APRIL 1975

156 15e 1

2015 GMT

ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VA
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TIME	CHTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ÀΣ	
MIN		GF4	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5. 5	86.0	999.5	13.7	12.4	170.0	5.2	-0.9	5.1	288.1	311.5	9.1	92.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	295.	
0.8	7.3	295.6	975.0	13.4	11.9	216.0	3.4	2.0	2.8	289.8	313.2	9.0	90.8	0.5	359.	
1.6	9.3	515.2	950.0	13.7	11.2	209.1	8.5	4.1	7.5	292.3	315.4	6• €	84.7	0. B	e.	
2.4	11.2	739.7	925.0	11.8	10.0	256.5	10.6	10.3	2.5	292.5	314.4	8.4	88.6	1.1	245	
3.3	13.2	969-1	900.6	10.9	9.3	266.9	11.8	11.5	0.6	293.6	315.5	8.2	90.1	1.5	46.	
4.1	15.2	1204.2	875.0	9.7	8.2	268.3	11.8	11.8	0.3	294.9	315.7	7e 8	90.3	2. 0	57.	
5.3	17.2	1444.7	850.0	8.0	6.5	271.6	9.9	9.9	-0.3	295.5	314.7	7.2	90.0	2. 5	64.	
5.9	19.5	1690.8	825.0	6.4	5.0	272.3	7.9	7.9	-0.3	296.2	314.3	6.7	90.7	3. 0	69.	
6.8	21.5	1942.9	800.0	4.4	3.0	269.8	6.5	6.5	0.0	296.6	312.8	6.0	90.6	3.3	71.	
7.5	23. 8	2201.0	775.0	2.7	. 1.4	261.8	8.3	6.2	1.2	297.4	312.5	5, 5	90.8	3. 7	73.	
8.8	25. 9	2466.0	750.0	1.4	0.0	261.5	9.2	9.1	1.4	298.8	313.0	5. 1	90-1	4. 3	74.	
9.7	28e 3	2739.5	725.0	1.2	-0.7	267.7	9.5	9.5	0.4	301+4	315.5	5.0	87.2	4.8	75.	
10.7	30.7	3022.0	700.0	0.4	-2.4	275.5	11.2	11.2	-1.1	303.5	316.6	4.6	81.7	5. 3	77.	
11.7	33.2	3312.9	675.0	-1.7	-3.3	274.4	13.7	13.6	-1.1	304.3	317.0	4.5	89.3	6. 1	79.	
12.7	35. 5	3612.9	650.0	-3.5	-4.9	272.2	15.6	15.6	-0.6	305.6	317.4	4.1	89.7	6.9	81.	
13.7	38.2	3922.2	625.0	-5.4	-6.8	269.9	17.0	17.8	0.0	306.8	317.6	3.7	89.9	7.9	82.	
14.7	40.7	4242.9	600.0	-6.2	-7.5	268.3	19.8	19.8	0.6	309.4	320.2	3.6	90.4	9.0	83.	
15.8	43.4	4575.7	575.0	-7.5	-8.8	268.3	21.3	21.3	0.6	311.6	321.9	3.4	. 90.3	10.4	84.	
16.9	46.3	4920.9	550.0	-9.4	-10.6	268.5	22.0	22.0	0.5	313.3	322.5	3.0	89.5	11.8	84.	
18.0	49.2	5278.7	525.0	-13.0	-15.1	272.1	21.8	21.8	-0.8	313.1	320.1	2.3	83.8	13.3	85.	
19.3	52.0	5648.4	500.0	-16.0	-27.3	275.1	24.1	24.0	-2.1	313.5	316.2	0.8	37.2	15.0	86.	
20.5	55. 2	6031.5	475.0	-20.0	-56.2	273.2	28.6	28.5	-1.6	313.2	313.4	0.0	2.5	16.9	37.	
21.9	56. 3	6431.1	450.0	-21.8	-51.3	272.5	33.0	33.0	-1.4	315.8	316.1	0.1	4.9	19.5	88.	
23.3	61.6	6850.6	425.0	-23.6	-52.3	268.7	32.6	32.6	0.7	318.7	318.9	0.1	5.1	22.3	98.	
25.0	65. L	7291.7	400.0	-25.9	-53.7	269.8	32.2	32.2	0.1	321.2	321.4	0.1	5.3	25.5	38.	
26.6	68.5	7756.5	375.0	-28.7	-55-3	282.5	30.7	29.9	-6.7	323.5	323.7	0.1	5.6	28.5	89.	
28.2	72.0	8246.4	350.0	-32.6	-52.9	283.9	35.0	34.0	-8.4	324.7	325.0	0.1	11.1	31.6	90.	
30.0	76.0	8764.5	325.0	-36.3	-47.5	280.4	41.9	41.2	-7.5	326.6	327.1	0.2	30.0	35. 7	92.	
31.9	80.3	9313.9	300.0	-41-1	99.9	281.5	47-1	46.1	-9.4	327.4	999.9	99.9	999.9	40. B	93.	
33.9	24. £	9899.0	275.0	-45.9	99.9	279.7	49.0	48.3	-8, 2	328.7	999.9	99.9	999.9	46.4	94.	
36.0	89.0	10525.6	250.0	-51.3	59.9	282.6	48.7	47.5	-10-6	329.7	999.9	99.9	999.9	52• 5	95.	
38.3	54. 0	11201.6	225.0	-56.B	99.9	278.7	63e0 <b>*</b>	62.3	-9.5	331.4	599.9	99.9	999.9	60.3	95.	
40.7	99. 3	11937-2	200.0	-63-1	99.9	250.0	66.5*	65.5	-11.6	332.9	999.9	99.9	999.9	69. 1	96.	
43.6	105.0	12748.8	175.0	-67.9	59.9	285.4	41.74	40.2	-11.0	337.9	999.9	99.9	999.9	78.2	97.	
47.0	111.3	13697.5	150.0	-59.6	99.9	277.3	43.6	43,2	-5.5	367.4	999.9	99.9	999•9	86.0	97.	
50.6	118.0	14851.6	125.0	-54.6	99.9	291.2	33.9*	31.6	-12.3	396.2	999.9	99.9	999.9	94. 8	97.	
56.1	126.3	16279.8	100-0	-55.3	99.9	278.5	11.6*	11.7	-1.7	421.0	999.9	99.9	999.9	101-4	98.	
62.4	135.7	19101-2	75.0	-59.2	99.9	292.4	19.6*	18.1	-7.4	448.8	999.9	99.9	999.9	108.8	99.	ď
70.9	145.0	20672.7	50.0	-56.0	99.9	216.8	3.6*	2.2	2.8	511.5	999.9	99.9	999.9	109.9	100.	
84.3	155.7	25146.3	25.0	-50.2	99.9	43.5	3.8	-2.6	-2.B	640.9	999.9	99.9	999.9	109.6	100.	

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 520 PITTSBURG. PA

24	APRIL	1975
	2209 GMT	

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEFD	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE AZ
MEN		GFM	M8	NG C	De c	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	. KM DG
0.0	2.4	359.0	966.8	16.8	16.3	260.0	4.2	4.1	0.7	294.4	326.1	12.2	97.0	0.0 0.
99.0	99.9	ç9.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9 999.
0.5	9. 9	508.5	950.0	15.4	14.3	284.4	9•1	8.8	-2. 3	294.2	322.6	10.9	93.1	0.3 74.
1.3	11.8	734.7	925.0	13.6	12.0	283.1	9.3	9.1	-2.1	294.4	319.6	9.6	90.0	0.7 94.
2.1	14.1	965.6	900.0	12.2	11.6	272.5	8.0	8.0	-0.3	295.3	320.7	9.6	96.4	1.1 96.
2.9	16.1	1202.0	875.0	11.2	10.5	266.8	7.9	7.9	0.4	296.6	321.1	9.2	95.9	1.5 94.
4.0	18.5	1443.9	850.0	9.2	8.6	274.8	7.3	7.2	-0.6	296.9	319.1	8.3	95.6	1.9 93.
4.9	20.5	1691.1	825.0	7-1	5.6	263.5	7.6	7.4	-1.8	297.0	315.8	7.0	90.5	2.3 94.
5.3	2208	1944.4	800.0	6.6	5.9	273.0	10.4	10.3	-0.5	299.1	319.1	7.3	95.3	2.5 95.
6.7	25.2	2205.3	775.0	5. 5	4.5	273.5	12.9	12.9	-0.8	300.6	319.9	7.0	95.3	3.4 94.
7.7	27.5	2473.2	750.0	3.8	3.0	277.4	16.5	16.4	-,2 • 1	301.5	319.2	6.4	94 • B	4.3 95.
6.5	30.0	2748.3	725.0	2.4	1.7	273.6	18.0	17.9	-1.1	302.9	319.7	6.0	95.1	<b>5.</b> 3 95.
9.7	32.6	3031.7	700.0	0.6	-0 • 1	267.3	10.6	16.6	0.8	303.8	319.2	5.4	94.9	6.4 94.
10.A	35, 2	3323.6	675.0	-0.5	-1.2	999.9	99.9	99.9	99•9	305.8	320.6	5.2	94.4	999.9 939.
12.0	37.7	3625.0	650.0	-2.3	-3.1	995.9	99.9	99.9	59.9	307.0	320.5	4.7	94.0	999.9 999.
99.9	99.3	99.9	625.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99.9	90.9	600.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	939.9	959. 7 979.
99.9	99.9	99.9	575.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9 999.
99.9	99.9	99.9	550.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 939.
99.9	69 <b>.</b> 9	99.9	525.0	99.9	99.9	99.3	99.9	99.9	99. 9	99.9	999.9	99. 9	999.9	999, 9 939.
99.9	59. <del>3</del>	99.9	500.0	99.9	99.9	99.9	99.9	99.9	95.9	99.9	999.9	99.9	999.9	99 <b>9.</b> 9 999.
99. 9	99.9	99.9	475.0	99.9	99.9	99.9	97.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99 <b>.</b> 9	99.9	450.0	99.9	99.9	99.9	99.9	99.9	59 <b>.</b> 9	99.9	999.9	99.9	999.9	999.5 995.
99.9	99. 9	99.9	425.0	99.9	<b>99.</b> 9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	<b>333.3 3</b> 66.
99.9	99.9	99.9	400.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	99 <b>9.</b> 3 999.
99.9	99. 9	99.9	375.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	995.9	<b>999.</b> 9 939.
99.9	99. 9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.5 995.
99.9	99.9	99.9	300.0	99.9	99.9	99.9	99.9	99.9	59 <b>.</b> 9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.3 994.
99.9	59. 9	99.9	250.0	59 <b>.</b> 9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.3 999.
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99. 9	99.5	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	99.9	99.0	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	.888 8	999.9 939.
99.9	99.9	99.9	150.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	9 <b>99. 9 9</b> 99.
99.9	99. )	99.9	125,0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999.9 999.
99.9	99.9	99.9	100.0	99. 9	99.9	99.9	99.9	99.9	<b>99.9</b>	99.9	999.9	99.9	999 <b>.</b> 9	999. 9 999.
99.9	99. 9	99.9	75-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.
99.9	55. 9	99.9	50.0	99.9	99.9	99.9	99.9	95.9	99.9	9969	999.9	99. 9	999.9	999.9 999.
99.9	99. 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.5 995.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATICN NO. 528 BUFFALO. N Y

24 APRIL 1975 2026 GMT

42. 0 148 TIME CNTCT HE I GHT PRF S TENP DEW PT SPEED U COMP V COMP POT T E POT T MX PTO RH RANGE AZ DIR GF4 M/SEC M/SEC DG K GM/KG PCT KM DG MIN MB DG C DG C DG M/SEC DG K 308.3 0.0 0.0 5.9 218.0 984.1 11.7 10.6 20.0 3.1 -1.1 -2.9 287.2 8.2 93.0 0. 999.9 99.9 1000.0 99.9 99.9 99.9 99.9 69.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 286.9 305.4 7.1 85.1 0.1 195. 0.5 6.7 295.8 975.0 10.8 8.4 356.0 4.0 : 0.3 -4.0 339.1 287.1 305.5 0.2 151. 1.2 6. 5 512.0 950.0 8.8 8.0 4.1 1.5 -3.8 7.1 94.6 292.3 308.1 7.3 95.4 0.4 164. 1.9 10-6 732.9 925.0 8.6 7.9 6.1 5.6 -2.3 289.1 274.1 312.0 7.7 95.5 0.5 125. 2.7 12.7 960.4 900.0 9.0 8.3 9.4 9.4 -0.7 291.8 95.4 1.1 115. 3.4 14.8 1193.7 875.0 8.0 7.4 282.5 11.6 11.4 -2.5 293.1 312.7 7.4 4.3 1433.2 850.0 7.4 6.7 272.1 12.8 12.7 -0.5 294.8 314.3 7.3 95.3 1.7 10% 16.8 2.3 103. 5.1 19.1 1679.2 825.0 6.4 5.6 266.5 12.0 11.9 0.7 296.3 315.0 6.9 94.4 5.9 21.1 1931.7 800.0 5.5 2.4 276.9 11.0 11.0 -1.3 297.7 313.4 5.7 80.4 2.8 101. 3.5 101. 6.8 23.5 2190.9 775.0 4.1 -0.2 282.1 12.1 11.9 -2.5 298.9 312.5 4.9 73.3 4.1 101. 7.7 25.6 2457.7 750-0 2.9 0.5 263.8 12.4 12.0 -3.0 300.4 315.3 5.3 84.3 301.5 83.6 4.8 102. 8. 7 27.9 2731.6 725.0 1.3 -1.2 283.0 12.6 12.3 -2.8 315.2 4.9 280.5 -2.3 302.5 313.4 71.5 5.6 102. 9.7 30.4 3013-7 700.0 -0.4 -4.9 12.4 12.2 3.8 70.8 6.3 101. 675.0 -1.9 -6.5 278.0 12.3 -1.7 304.0 314.1 10.6 32.9 3304.1 12.4 3.5 7.1 101. 11.7 35.4 3603.6 -3.9 -13.2 272.3 12.7 12.7 -0.5 304.8 311.4 2.2 49.7 65C.0 271.9 307.9 308.8 7.9 100. 0.3 12.7 37.9 3912.7 625.0 -4.0 -35.9 12.4 12.4 -0.4 6.2 8.7 99. 40.5 4233.5 600.0 -6.3 -37.3 281.2 12.8 12.5 -2.5 308.8 309.7 0.3 13.9 6.4 309.7 310.5 9.6 100. 14.9 43.1 4564.6 575.0 -8.8 -38.7 260.2 13.8 13.6 -2.4 0.2 6.7 -11.5 13.6 0.1 310.0 310.7 0.2 7.0 10.6 26. 16.2 46.0 4906.8 550.0 -40.6 269.6 13.6 11.7 98. 17.4 267.4 0.7 311.8 312.4 0.2 7.2 48.9 5261.5 525.0 -13.8 -41.9 14.3 14.3 255.7 313.0 314.4 0.2 7.4 12.0 97. 18.3 51.7 5631.1 500.0 -15.7 -43.1 17.0 16.5 4.2 20.2 54.8 6016.8 475.0 -17.0 -43.9 253.6 20.9 20.0 5.9 316.9 317.5 0.2 7.5 14.3 94. 21.6 57.8 -45.5 257.1 20.8 20.2 4.7 318.8 319.3 7.8 16.0 92. 6420.6 450.0 -19.4 0.1 23.1 255.3 320.€ 321.3 17.7 91. 61.1 6843.5 425.0 -22.0 -47.1 18.3 17.7 4.6 0.1 8. 1 64.6 24.7 7286.4 400.0 -25.9 -49.8 255.4 18.5 17.9 4.7 321.3 321.7 0.1 8.5 19.4 89. 7749.8 375.0 -30.2 322.1 26.4 68.0 -47-1 250.2 321.6 0.1 17.2 21.1 BB. 19.3 18.1 6.5 323.9 78.8 27.9 71.4 8237.9 -35.6 0.5 23.1 86. 350.0 -33.2 258.3 26.5 25.9 5.4 325.8 -36.6 29.5 75.3 8755.4 325.0 -42.7 267.7 326.2 327-1 0.3 52.7 26. I HALL 32.8 32.9 1.3 31.4 79.5 9305.7 -40-1 99.9 328.8 969.9 99.9 999.9 30. 1 86. 300.0 264.8 38.1 37.9 3.5 33.3 23.7 9893.5 275.0 -45.2 59.9 263.5 42.4 4.6 329.8 999.9 99.9 999.9 34.7 85. 42.6 88. 2 10522.8 331.0 999.9 99.9 999.9 40.2 85. 35.5 250.0 -50.5 99.9 257.8 43.4 42.4 9.2 999.9 37.7 93.0 11200.9 225.0 -55.9 99.9 256.9 45.4 332.8 99.9 999.9 46.3 H4. 46.6 10.6 40.0 98.2 11939.3 7.2 333.5 599.9 99.9 999.9 52.7 84. 200.0 -62.7 99.9 260.8 45.5 44.9 103.8 12756.4 175.0 99.9 268.4 32.1 344.1 999.9 99.9 999.9 59.6 42.9 -64.2 32.1 0.9 84. 99.9 999.9 999.9 46.0 110.2 13705-1 150.0 -60.6 267.8 31.3 31.3 1.2 J65.7 99.9 65. 5 84. 49.7 117.0 14958.0 125.0 -54.3 99.9 281.9 27.8 27.2 -5.7 396.7 99949 99.9 900.0 72.3 85. 54.2 125.7 16293.0 100.0 -52.4 99.9 281.9 27.6 27.0 -5.7 426.6 999.9 99.9 999.9 79.9 A6-59.6 136.0 15109.7 -61.2 99.9 282.5 444.6 999.9 99.9 999.9 75.0 12.7 12.4 -2.7 87.5 A9. 247.2 512.9 89.7 89. 66.7 148.0 20668.3 50.0 -55.4 99.9 4.0 3.7 1.6 999.9 99.9 999.9

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<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 532 PEORIA. ILL

24 APRIL 1975 2015 GMT

							2015 G	MT					1	65 16.	. 0
TIME	CATCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	E. 5	200.0	988.6	14.4	11.7	20.0	4.6	-1.6	-4.3	289.7	312.5	8.8	54.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
0.3	6.6	316.9	975.0	12.6	11.2	999.9	99.9	99.9	99.9	288.9	311.1	8.6	91.1	999. 9	999.
1.0	€. 3	534.9	950 • 0	11.3	11-0	999.9	99.9	99.9	99.9	289.8	312.4	8.7	97.8	3 <b>99</b> . 9	999.
1.7	10.9	758.9	925.0	12.3	12.0	999.9	99.9	99.9	99. 3	293.2	310.2	9.6	97.6	999. 9	999.
2.5	13.1	989.2	900.0	12.0	11.6	348.8	5.1	1.0	~5.0	295.2	320.5	9.6	97.1	0.9	229.
3.2	15.4	1225.0	875.0	10.3	8.8	323.1	6.7	4+0	-5.4	295-6	317.3	8.2	90 <b>•</b> 1		207.
4.1	17.5	1466.8	850.0	11.2	1 • 5	311.7	5.8	4.4	-3.9	298.6	312.8	5.1	52.5		194.
4.9	20. 2	1715.9	825.0	11.0	-10.3	310.0	7.4	5.7	-4.6	300.5	, <b>3</b> 06• <b>8</b>	2.1	21.2		193.
5.6	22.2	1971.7	800.0	9.5	-15.0	285• I	9.7	9.4	-2.5	301.3	306.0	1.5	16.2		176.
6.4	24.6	2234.0	775.0	7.7	-12.7	294.3	7.6	7.0	-3, 2	302.3	307.8	1.6	21.9		150.
7.2	27.0	2502.6	750.0	5.3	-14.4	292.5	8.8	8.2	-3.4	302.6	307.6	1.7	22.5		151.
8.0	29.5	2778.9	725.0	3.5	-4.3	284.3	10.2	9.9	-2.5	303.8	314.9	3.9	56.8		143.
9.0	32.2	3062.6	700.0	1.0	~9.5	274.9	10.9	10.9	-0.9	303.9	311.7	2.6	44e5		135.
9.9	34.8	3354+1	675.0	-0.8	-16.7	274.7	10.0	10.0	-0.8	305.0	309.7	1.5	28.6		127.
10.9	37.3	3654.6	650.0	-2.7	-13.0	276.2	9.3	9.3	-1.0	306.2	312.7	2•2	44.9		124.
11.9	40.1	3964.0	625.0	-5.4	-17.0	263.2	10.2	10.2	1. 2	306.4	311.4	1.6	39.8		119.
13.0	42.9	4283,3	600.0	-7.4	-28.3	252.8	10.8	10.3	3.2	307.6	309.6	0.6	16.8		114.
14.1	45. 8	4613-0	575.0	-10-0	-37.2	248. Î	13.0	12.0	9 • 8	306.3	309.2	0.3	8.6		108.
15.1.	46. 6	4954.5	550.0	-11.9	-19.4	254.9	17.0	16.4	ž • 4	310.1	314.9	1.5	54.5		103.
16.2	51.6	5309.7	525.0	-13.4	-24.7	261.9	21.6	21.4	3.0	312.4	315.6	1.0	38.9	7.4	9 %
17.4	54.8	5680.3	500.0	-14.6	-41.6	261.2	20.8	20.6	3. 2	315.2	315.9	0.2	7.9	8.9	90.
18.7	57. 9	6066.2	475.0	-18.0	-47.8	267.5	20.9	20.9	0.9	315.6	316.0	0.1	5.3	10.5	74.
20.0	61.3	6467.9	450.0	-21.0	-62.4	270.1	20.5	20.5	-0.0	316.8	316.9	0.0	1.1	12.1	74.
21.4	64.7	6887.0	425.0	-24.8	-36.6	269.2	22.7	22.7	0.3	317.3	318.6	0.4	32.4	13.6	93.
22.5	68.1	7325.4	400.0	-27.5	-36.9	266.6	25.4	25.4	1.5	318.8	320.2	0.4	41.3	15. 9	92.
24.3	71.7	7785.6	375.0	-31.4	-39.8	265.4	26.6	26.5	2. 1	320.0	321 • 1	0.3	43.0	18. 2	92.
25. 9	75.7	8269.4	350.0	-36.1	-47.0	262.9	26.7	26.5	3. 3	320.0	320.6	0.2	31.3	20.7	91.
27.6	79. 7	8780.7	325.0	-39.5	99.9	262.7	28.0	27.8	3.5	322.2	999.9	99.9	999.9	2 <b>3.</b> 5	90.
29.3	63.9	9322.9	300.0	-43.8	99.9	262.1	29 <b>.</b> l	28.8	4.0	323.7	999.9	99.9	999.9	26.5	gu.
31.3	ee. 2	9901.6	275.0	-48.8	99.9	260.5	29.0	28.6	8 • 8	324.6	599.9	99.9	99 <b>9.</b> 9	29. 9	89.
33.4	93.0	10520.7	250.0	-53.4	99.9	263.7	38.6	38.3	4.2	326.7	999.9	99.9	999.9	33.6	97.
35.7	98.0	11194.8	225.0	-56.2	90.9	260.6	39.0	36.5	6.4	332.5	999.9	99.9	999.9	39. 4	67.
38.4	103.2	11938.1	200.0	-58.9	99.9	260.5	41.0	. 40.4	6.8	339.5	999.9	99.9	999.9	4 <b>5</b> , 5	96.
41.3	109.0	12772.4	175.0	-58.4	99 <b>.</b> 9	258.9	37.8	37.1	7. 3	353.6	999.9	99.9	999.9	52.6	A5.
44.7	115.5	13742.5	150.0	~58.9	99.9	259.4	30.3	29.8	5.6	368.6	999.9	99.9	999.9	59. 1	84.
48.6	122.7	14892.5	125.0	-57.6	99.9	. 253.8	27.2	26.1	7. 6	390∙€	999.9	99.9	999.9	65. 9	84.
53.7	131.0	16302.7	100.0	-56.7	99.9	269.6	18.8	18.6	0.1	418.3	999.9	99.9	999.9	<b>73.</b> 6	<b>83.</b>
59.3	140.0	18106.8	75.0	-62.2	99.9	264.3	18.9	18.9	1.9	442.6	999.9	99.9	999.9	78. 5	63.
67.1	151.0	20647.8	50.0	-56.7	99.9	261.5	7.5	7.4	1 • 1	510.0	999.9	99.9	999.9	82. 7	83.
79.0	164.0	25100.6	25.0	-51.8	99.9	299.7	1.3	1.1	-0.6	635.6	999.9	99.9	999.9	84.0	83.

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMF MEANS TEMPERATURE UR TIME MAVE BEEN INTERFOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 55: CMAHA. NEB

24 APRIL 1975 2015 GMT

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20.

RH RANGE A 2 E POT T MX RTO TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEFD U COMP V CCMP POT T GM/KG PCT KM DG DG C M/SEC . M/SEC M/SEC DG K DG K MIN GFM MB DG C DG 9.7 77.0 0.0 0. 400.0 290.0 -0.9 294.2 319.6 0.0 7.3 965.3 16.8 12.7 2.6 2.4 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 1000.0 99.9 99.9 999.9 999.9 999. 99.9 999.9 99.9 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 979. 84.2 535.9 950.0 14.4 11.7 999.9 99.9 99.9 99.9 293.0 316.9 9.2 0.4 8.5 90.9 999.9 999. 10.4 760.8 925.0 12.0 10.6 999.9 99.9 99.9 99.9 292.7 315.7 8.7 1.1 0.4 109. 900.0 298.2 4.7 -2.5 293.0 314.4 8.1 93.5 1.9 12.4 990.0 10.1 9.1 5.4 294.0 313.6 7.4 89.7 0.7 112. 2.8 14.5 1224.3 875.0 8.9 7.3 289.5 6.6 6.2 -2.2 294.9 309.7 69.3 1.1 108. 279.6 -1.1 5.4 3.7 16.5 1464.2 850.0 7.7 2.4 6.8 6.7 51.2 1.4 108. 296.0 306.7 3.8 18.6 1710-1 825.0 6.6 -3.0 289.9 5.8 5.4 -2.0 4.6 35.5 1.6 107. 300.0 308.5 3.0 1963.1 800.0 7.9 -6.4 270.6 3.1 3.1 -0.0 5.5 20.7 1.7 105. 301.5 310.9 3.3 41.3 2224.5 775.0 6.7 -5.5 241.6 1.4 1.3 0.7 6.4 22.9 35.3 102. 201.9 302.4 310.0 2.6 1.8 7.4 25.2 2493.1 750.0 5.1 -9.0 3.0 1.1 2.7 303.5 311.4 40.0 95. 2.7 1.8 8.3 27.4 2769.0 725.0 3.4 -8.9 204.3 4.1 1.7 3.7 45.6 304.2 312.3 1.9 89. 219.5 2.7 9.2 29.7 3052.5 700.0 1.3 -9.2 5.3 3.4 4.1 53.2 304.3 312.3 2. 2 82. 10.2 32.3 3343.9 675.0 -1.5 -9.8 220.3 6.6 4.3 5.0 2.7 304.7 311.8 2.4 55.2 2.6 74. 11.3 34.5 3643.2 650.0 -4.1 -11.7 216.6 8.0 4.8 6.4 74.3 12.3 37.1 3951.1 625.0 -6.9 -10.7 218.5 8.7 5.4 €. 8 304.8 312.9 2.7 3.0 68. 312.6 13.5 39.8 4268.6 600.0 -9.1 -13.7 221.3 9.8 6.5 7.3 305.9 2.2 69.0 3. 6 63. 307.9 310.9 1.0 32.2 4. 2 51. 4597.5 575.0 -10.4 -23.8 231.5 10.2 8.0 6.4 14.6 42.3 309.0 34.8 5.0 60. 4938.2 -12.7 -25.0 238.3 10.2 8.7 5.3 312.0 0.9 15.9 45.1 550.0 312.3 40.7 60. 309.5 5.8 17.1 48.0 5291.0 525.0 -15.8 -26.1 242.6 12.1 10.7 5.6 0.9 310.7 5.0 313.9 56.0 61. 50.8 5657.1 500.0 -18.4 -25.0 249.5 14.2 13.3 1.0 6.8 18.3 63. 311.7 314.2 53.2 7.9 19.8 53. 8 6038.0 475.0 -21.3 -28.2 254.7 12.7 12.2 3.3 0.8 314.8 51.6 21.1 6434.6 450.0 -24.3 -31.3 259.3 13.7 2.6 312.7 0.6 8.9 64. 56.7 14.0 10.1 22.4 €C. 0 6848.3 425.0 -27.6 -35.2 261.0 17.4 17.1 2.7 31305 **5315.1** 48.0 66. 24.0 £3.4 7282.4 400.0 -30.3 -40.0 252.2 19.6 18.7 6.0 315.6 316.6 0.3 37.7 11.8 68. 25.5 7737.6 375.0 -34.6 -42.B 251.0 20.2 19.1 6e 6 315.8 316.6 0.2 42.6 13.7 68. 66.7 8215.9 -38.5 316.8 317.5 0.2 51.1 15.7 68. 27.2 70.4 350.0 -44.7 244.3 21.4 19.3 G. 3 8720.9 -42.5 318.1 999.9 99.9 999.9 18.1 69. 28.9 74.0 325.0 99.9 246.3 24.3 22.2 9.8 999.9 999.9 21.2 30.9 76.2 9256.1 300.0 -47.2 99.9 254.2 27.7 26.7 7.5 318.6 99.9 68. 999.9 32.8 9826.4 275.0 -51.1 99.9 251.1 31.4 29.7 10.2 321.3 999.9 ~ 99. 9 24.5 49. 82.3 999.9 29.2 999.9 99.9 69. 35.0 86.7 10440.9 250.0 -54.3 99.9 252.1 38.4 36.6 11.8 325.4 333.2 999.9 99.9 999.9 34.9 69. 37.4 91.6 11112.9 225.0 -55.7 99.9 250.3 38.0 35.7 12.8 999.9 999.9 99.9 40.8 70-342.5 40.0 96.5 11862.8 200.0 -57.0 99.9 253.9 35.0 33.6 9.7 999.9 45.9 251.2 354.3 999.9 99.19 70. 42.6 102.3 12702.3 175.0 -57.9 99.9 35.8 33.9 11.6 373.1 999.9 99.9 999.9 53.2 71. 45.9 100.8 13682.2 150.0 -56.3 99.9 252.5 39.2 37.4 11.8 999.9 259.6 394.7 999.9 99.9 61.3 72. 49.7 115.7 14836.1 125.0 -55e4 99.9. 28.0 28.1 5.2 999.9 421.0 999.9 99.9 69.2 73. 54.7 124.5 16262.5 100.0 -55.3 99.9 240.0 15.5 13.4 7.8 999.9 244.2 450.4 99.9 999.9 76.2 71. 60.5 134.5 18081.7 75.0 -58.4 99.9 18.3 16.4 7.9 999.9 99.9 999.9 82.0 73. 68.4 145.5 20648.5 50.0 -54.7 99.9 151.0 0.7 -0.3 0.6 514.7

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NG. 562 NORTH PLATTE. NEB

24 APRIL 1975 2015 GMT

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TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH.	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	14.6	847.0	914.7	20.6	-3.8	330.0	4.1	2.1	- 3. 6	301.8	310.9	3.2	19.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99969	99.9	999.9	999. 9	999.	
99.9	55.9	99.9	975.0	99.9	99.9	990	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	950.0	99.9	99.9	99.4	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99. 9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.5	99.9	999.9	<b>999.</b> 9	999.	
0.3	15.8	986.5	900.0	19.5	-6.2	148.5	7.9	-4.1	6.7	302.0	309.8	2.7	17.0	0.3	153.	
1.0	16.3	1227.1	875.0	16.6	-7.2	177.2	4-1	-0.2	4.1	301.4	308 • 8	2.5	18.8	0. 1	150.	
1.6	20.8	1472.4	850.0	14.2	-7.8	273.3	3.0	3.0	-0.2	301.3	308.6	2.5	21.0	0.2	111.	
2.3	23.3	1722.9	825.0	11.5	-8.5	302.6	4.1	3.4	-2.2	301.1	308.3	2.4	23.7	0.3	114.	
2.8	25. 8	1978.9	800.0	9.3	-8.4	301.7	4.2	3.5	-2.2	301.4	, 3CA+8	2.5	27.6	0.5	117.	
3.6	28.7	2240.7	775.0	6.7	-8.1	305.2	3.9	3.2	-2.3	301+3	309.2	2.7	33.9	0.6	119.	
4.3	31.4	2508.9	750.0	4.5	-8-1	293.5	5.3	4.8	-2.1	301.8	309.9	2.8	39.4	0.9	120.	
5.0	34.3	2783.9	725.0	2.1	-8.9	287.1	9.1	8.7	-2. 7	302.1	310.0	2.7	44.1	1. 1	11.6.	
5.9	37.0	3065.8	700.C	-0.1	-10.9	286.4	13.9	13.4	-3.9	302.7	309.7	2.4	43.9	1.8	114.	
6. 9	39.9	3356+3	675.0	-1.5	-11.3	277.5	16.5	16.4	÷2. 1	304.3	311.4	2.4	47.0	2.7	111.	
7.9	42.7	3655.9	650.0	-3.8	-17.0	264.6	16.8	16.7	1.6	304.9	309.7	1.6	35.5	3. 7	105.	
8.9	45.7	3954.4	625 • 0	-5.4	-23.7	259.9	16.2	15.9	2.8	306 • 3	309.2	0.9	22.1	4.6	99.	
9.9	48.9	4283.5	600.0	-7.1	-35.4	262. R	15.2	15.1	1.9	307.9	308.9	E • 0	8.3	5. 5	96.	
10.9	51.9	4614.0	575.0	-9.1	-39.6	267.0	14.6	14.6	0.8	309.3	310.0	0.5	6.3	6.4	95.	
12.0	55.1	4955.6	550.0	-11.5	-41.0	278.2	14.0	13.9	-2.0	310.4	311.0	0.2	6.6	7.3	94.	
13.1	58. 3	5311.1	525.0	-14.5	-39.9	283.9	15.1	14.6	-3.6	311.0	311.8	0.2	9.4	8.3	95.	
14.5	61.7	5678.7	500.0	-17.2	-39.5	279.6	16.3	16.0	-2.7	312.0	312.9	0.2	12.3	9.5	96.	
15.8	65. 2	6060.8	475.0	-20.5	-37.5	276.A	17.3	17.2	- 2. 1	312.5	313.7	0.3	20.4	10.9	70.	
17-1	66.5	6458.7	450.0	-23.4	-43.9	278.9	18.6	10.4	-2.9	313.7	314.3	C • 2	13.2	12. 3	97.	
18.5	72.1	6873.4	425.0	-27.7	-47.0	279.5	18.0	17.7	-3.0	313.5	314.0	0.1	13.7	. 13.9	97.	•
19.7	76.0	7305+8	400.0	-31.6	-49.4	278.1	18.3	18.1	-2.6	313.9	314.2	0.1	15.1	15.3	97.	
21.4	80.3	7750.5	375.0	-35.6	-53,1	275+7	17.4	17.3	-1.7	314.4	314.7	0 - 1	14,5	17. 0	97.	
22.9	£3.5	8235.7	350.0	-38.8	-56.4	275.1	17.9	17.9	-1.6	316.3	316.5	0.0	13.4	18.5	97,	
24.4	88. 3	8738.9	325.0	-43.8	97.9	276,0	17+2	17.1	-1.8	316,4	599.9	99.9	999,9	20, 2	97.	
26.0	92.4	9271.7	300.0	-48.4	99.9	274.8	16.9	16.8	-1.4	317.2	999.9	99,9	99 <b>9</b>	21.8	97.	
28.1	57.2	9839.5	275.0	-62.3	99.9	273.4	18+4	18+4	-1.1	319.5	999.9	99.9	999.9	23,9	97.	
30.4	102.3	10450.6	250.0	-54.1	99.9	254.4	17.8	17-1	4.8	325,6	999,9	99.9	999,9	26, 2	95.	•
33.0	107.4	11130.2	225.0	-63.5	99.9	258,6	22.2	21.8	4+4	336.5	999 • 9	99.9	999, 9	29.0	93.	
35.5	112.9	11885.3	200.0	-54.1	97.9	260.4	20.8	20.5	3, 5	347.1	999. <b>9</b>	, 9 <b>9,</b> 9	999,9	32, 3	92,	
38.6	119.0	12740.1	175.0	-55.4	99,9	242.8	20.7	. 19.4	9.5	358,5	697.9	99.9	999.9	36. 0	90.	
42.1	. 125.5	13731.0	150.0	-54.1	99.9	266.5	17.B	17e8	1.1	377.0	999.9	99.9	999.9	40.6	. 89,	
46.0	132.7	14889.6	125.0	-57.5	99.9	258,8	17.9	17.5	3.5	390.9	999.9	99.9	999.9	45.1	88.	
51.1	140.3	16309.6	100.0	-53.5	99.9	260.9	14.9	14.8	2.4	424.4	999.9	99.9	999.9	51.4	87.	
57.2	147.7	18140.3	75.0	-55.2	99.9	245.0	20.7	18.8	8.7	457.2	999.9	99.9	999.9	56.9	85.	
65.3	156.0	20732.4	50.0	-54.1	99.9	264.2	5.3	5.2	0.5	515.9	999.9	99.9	999.9	63.2	84.	
77.4	164.7	2828243	25.0	-49.4	99.9	278.0	2.9	2.8	-0.4	643.1	994.9	99.9	999.9	65.7	84.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEWF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 606 PORTLÀND. ME

24 APRIL 1975 2015 GMT

158 27. TIME CATCT HEIGHT PRES TEMP CEW PT CIR SPEED U COMP V CCMP POT T F POT T MX RTO RH RANGE AZ MIN GRY MÁ DG C DG C nc M/SEC M/SEC M/SEC DG K PCT DG K GM/KG ΚM DG 1009-2 5.4 0.0 20.0 7.2 7.2 340.0 4.1 1.4 - 7- 0 280.4 296.5 100.0 0.0 G. 6.3 95.6 100000 7.3 6.8 999.9 99.9 95.9 281.3 297.1 999.9 999. 0.3 6.2 99.9 6.2 96.6 303.7 975.0 999.9 97.8 1-0 8.5 5.5 5.2 99.9 99.9 00.0 281.5 296.1 299. 0 999. 547 516.2 950.0 298.9 10-7 999.9 99.9 99.9 283.7 97.8 999.9 999. 1.8 5-6 5.3 99.9 5.9 13.2 736.3 925.0 10-1 9.8 290.7 312.3 2.5 244.8 14.9 13.5 6.3 8.3 98.5 0.8 105. 3.2 15.3 965.3 900.0 10.4 10.0 242.4 15.3 13.6 7.1 293.4 316.1 8.6 96.8 1.4 95. 4.1 17.6 1200-1 875.0 9.5 9.2 245.0 15.3 294.7 317.0 97.9 77. 16.8 7.1 8.4 2.1 4.8 20.1 1440.3 850.0 7.8 7.5 295.3 315.9 98.0 74. 245.2 17.1 15.5 7.2 7.7 2. 9 22-4 1686.7 296.7 97.8 5.7 825.0 6.7 247.2 316.5 7.4 72. 6.4 17.4 16-1 6.7 3. A 1939.4 97.6 6.5 25.3 800.0 5.4 5.0 249.R 15-1 5.2 297.8 316.5 6.9 4.5 71. 14.2 2199-1 317.3 7.4 27.3 775.0 252-1 14.8 299.3 97.4 4.3 3.9 14-1 4.5 6.6 5.4 71. 30. J 8.4 2464.9 750.0 1.6 1.0 248.7 299.0 314.3 5.5 95.5 72 12.2 11.3 4.4 6.3 10.0 32. 7 2738.3 725.0 0.4 0.7 246.4 11.6 10.7 4.7 301.0 316.3 5.5 97.8 7.3 71. 35.4 3019.8 700.0 11.4 -1.1 -1.9 251.9 301.9 315.5 95.2 8.3 70. 13.2 12.6 4.1 4.8 71. 38.3 3309.2 303.3 315.4 12.6 675.0 -2.6 -4-0 259.8 14.9 14.7 2.7 4.2 90.1 9.3 40.7 -7.5 14.0 3607.4 650.0 -5.0 268.4 16.7 16.7 0.5 303.7 313.5 3. € 82.9 10.7 73. 15.6 43.6 3914.8 625.0 -7.0 -9.8 273.4 16.4 16.4 -1.0 304.8 313.4 2.9 8043 12.2 75. 16.9 46.5 4232.7 600.0 -8.5 -11.1 274.7 15.5 15.4 -1.3 306.6 314.8 2.7 81.7 13.4 77. 18.3 49.6 4562.0 575.0 -10.2 -11.9 265.7 17.4 17.3 1.3 308.4 316.4 2.7 87.0 14.7 78. 19.6 52.5 4903.6 550.0 -12.4 -14.4 262.6 17.2 17.0 2.2 309.7 316.6 2.3 85.0 15.2 79. 21.2 55.7 5257.7 525.0 -14.8 -16.5 261.4 20.1 19.9 3.0 310.8 316.9 2.0 84.6 17.8 79. 22.5 58.9 5625.8 500.0 -16-9 -19.0 260.8 20.7 20.4 3.3 312.6 318.0 1.7 83.4 19.4 79. 24.0 62.3 6009.2 475.0 -19.7 -22.3 259.2 21.4 21.0 4.0 313.7 318.0 1.3 79.5 21.3 79. 25.5 6409-0 450.0 -22.3 -25.5 259.7 20.9 20.6 315.3 318.8 1.1 74.7 23.1: 79. 65.7 3.8 27.0 69.2 6826.6 425.0 -25.3 -29.3 264.2 22.4 22.3 2.3 316.6 319.2 0.8 68.6 25.2 79. 28.7 72.7 7264.1 400.0 -28.0 -32.5 265.8 31.5 31.4 2.3 318.6 320.7 0.6 65.1 27.7 80. 30 a 3 76.6 7724.5 375.0 -31-4 -36.2 270.1 34.6 34.6 -0.1 320.0 321.6 0.5 62.4 31.1 A1. 32.0 9208.8 350.0 -35.9 37.5 37.5 320.3 321.0 38.6 80.6 -45.2 260.4 0.4 0.2 34.6 A2. 8719.0 325.0 -3.0 999.9 99.9 999.9 93. 33. 8 64.4 -40.2 99.9 275.2 33.1 32.9 321.2 38.5 99.9 35.7 39.0 9261.4 300.0 -43.4 99.9 283.8 36.9 35.8 -8.A 324.2 999.9 999.9 42. 1 84. 37.9 -19.5 327.6 999.9 99.9 999.9 . A7. 93.7 9842.6 275.0 -46.7 99.9 296.9 43.1. 38.4 46.9 40.3 98.5 10469-2 250.0 -51.3 99.9 292.5 55.9 51.7 -21.4 329.8 599.9 99.9 999.9 53.5 91. 225.0 99.9 293.7 55.7\* -22.4 331.8 999.9 99.9 999.9 60.8 93. 42.6 103.6 11145.6 -56.6 51.0 56.1\* 999.9 16. 45.3 109.5 11882.8 200.0 -62.4 99.9 290.3 52 . 0 -19.5 334.0 999.9 99.9 69.0 999.9 48.4 - 115.4 12704.9 175.0 -62.6 99.9 282.4 33.7\* 32.9 -7.3 346.6 99.9 999.9 77.7 97. 99.9 52.2 122. 3 13668.7 150.0 -57.5 99.9 284.1 32.1 \* 31.2 -7.8 371.1 999.9 999.9 84.4 98. 999.9 99.9 999.9 57.5 129.7 14831.6 125.0 -53.9 99.9 280.9 26.5\* 26.0 -5.0 397.4 93.2 99. 63.2 137.5 16259.7 100.0 -54.5 99.9 281.5 23.1\* 22.6 -4.6 422.5 999.9 99.9 999.9 100.6 99. 99.9 999.9 71.2 145.7 18095.8 75.0 -56.7 99.9 309.0 15.44 12.0 -9.7 454.1 999.9 109.0 100. 999.9 999.9 80.8 154.0 20679.2 50.0 -54.8 99.9 316.4 3.74 2.5 -2.7 514.3 99.9 112.7 101.

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 637 FLINT. MICH

24 APRIL 1975 2100 GMT

152 18. 0

							2100 6							32 10	• ,	
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW: PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH .	RANGE		
MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.9	236.0	984.1	8.9	5.6	60.0	. 5.1	-4.4	-2.5	284.1	299.2	5.8	80.0	0.0		
99.9	99.9	99.9	1000.G	99.9	99.9	99.	99.9	99.9	95.9	95.9	999.9	99.9	999.9	999.9	997.	,
2.3	6.6	312.9	975.0	7.5	3.9	6.6	5.8	-0.7	-5.7	283-4	296.7	5.2	77.4		182.	
1.0	E. 7	526.1	950.0	5.3	4.2	11.3	5.5	-1.1	-5.4	283.2	297.4	5.5	93.0		194.	
. 1.7	10.7	743.6	925.0	3.5	2.3	16.5	4.0	-1.1	-3.9	283.5	296.8	5 · 1	96.4	0.6	139.	,
2.5	12.7	965.9	900.0	3.3	2.6	332.4	4.0	1.9	-3,6	285.6	299.0	5.1	95.0	0.9	144.	r
3.1	14.8	1195.4	875.0	5.4	-0.7	305.0	6.9	5.7	-4.0	289.9	301.2	4.2	64.7		177.	
3.9	16.8	1433.2	850.0	6.4	2.1	295.5	6.4	5 • 8	-2.8	293.6	307.8	5.2	73.6		152.	
4.7	19.1	1678.4	825.0	6.4	2.5	285.0	6.2	5.9	-1.6	296.1	311.3	5.6	75.8		152.	
5.5	21.2	1931.2	800.0	6.1	1.3	289.3	5.1	4.8	-1.7	298.3	312.9	5.3	71.3		144.	
6.3	23.5	2190.9	775.0	4.3	-0.4	295.5	6.3	5.7	-2.7	299.1	312.5	4 . 8	71.6		140.	
7.1	25.8	2457.5	750.0	3.9.	-17.5	300.1	7.5	. 6.5	-3.7	301.0	305.7	1.6	24.3		136.	
8.1	28.2	2732.2	725.0	2.5	-20.3	306.5	8.9	7.2	.~5 <b>∙</b> 3	302.4	305.6	1.0	16.5		134.	
8.9	30.6	3015.1	700.0	1.0	-21.3	298.3	9.1	8.0	-4.3	303.8	366.9	1.0	16.9		133.	
9.3	33.1	3306.1	675.0	-1.1	-19.7	290.1	9.5	8.9	-3.3	304.5	308.2	1.2	22.5		130.	
10.9	35.6	3606.2	650.0	-2.9	-29.6	295.2	11.3	10.3	-4.5	305.7	307.4	0.5	10.7		127.	
11.9	38.2	3915.6	625.0	-4.6	-30.8	293.3	13.3	12.2	-5.2	307.2	308.8	0.5	10.7		125.	
13.1	4C.7	4235.6	600.0	-6.8	-35.7	283.3	13.6	13.3	-3.1	308.3	309.3	0.3	7.9		123.	
14.1	43.5	4566.0	575.0	-9.6	-38.4	277•5	14.4	14.2	-1.9	308.8	309.6	0.2	7.3		120.	
15.3	46.3	4907.4	550.0	-12.6	-38.4	275.6	13.4	13.4	-1.3	309.1	310.0	0.2	9.3		117.	
16.4	49.3	5260.8	525.0	-14.9	-40.3	269.9	15.0	15.0	0.0	310.5	311.2	0.2	9. 3		114.	
17.6	52.0	5629.0	500.0	-15.8	-44.5	265.0	18.0	18.0	1.6	313.7	314.2	0.1	6.4		111.	
18.8	55.0	6013.5	475.0	-18.8	-35.2	268.4	17.5	17.5	0.5	314.6	316.0	0.4	21.9		103.	
19.9	57.9	6413.7	450.0	-22.5	-37.9	266.3	17.3	17.2	1.1	315.0	316.1	0.3	22.5		1000	
21.0	61.1	6830.6	425.0	-26.1	<b>~ 35 • 5</b>	266.5	14.2	14.1	0.9	315.6	317.1	0.4	41.6		194.	
22.5	64.5	7267.5	400.0	-28.8	-33.5	259.9	12.2	12.0	2. i	317.6	319.5	0.6	63.4		103,	
23.9	67.7	7726.5	375.0	-32.3	-37.6	252.8	17.3	16.6	5. 1	318.8	320.2	0.4	58.9		101.	
25.3	71.2	8210.4	350.C	-35.1	-38.0	252.5	20.1	19.2	ۥ 1	321.4	322.8	0.4	74.4	16.3		
27.1	75-1	8722.7	325.0	-39.3	99.9	257.8	22.4	21.9	4.7	322.5	999.9	99.9	999.9	16.2		
28.8	79.2	9266.1	300.0	-43.2	99.9	256.5	26.5	25.8	6.0	324.5	955.9	99.9	999.9	20.7		
30.5	e3. 2	9846+4	275.0	-47.9	99.9	256.6	35.0	34.1	e• 1	325 <b>.</b> 9	999.9	99.9	999.9	23.7		
32.5	<b>27.</b> 6	10468.2	250.0	-53.0	99.9	249.9	41.2	30.7	14.3	327.3	999.9	99.9	999.9	29.3		
34.5	92.4	11140.3	225.0	-57-5	99.9	250.8	37 <sub>•</sub> 8	35.7	12.4	330.3	999.9	99.9	999.9	33.5		
37.2	97.4	17876.5	200.0	-60.5	99.9	251.2	33.6	32.0	10.9	336.9	999.9	99. 9	999.9	38.3		
40.1	103.0	1.706.0	175.0	-60.2	99.9	253.7	33.8	32.4	9.5	350.6	999.9	99.9	999.9	44.1	82.	
43.3	109.3	13675.7	150.0	-58.0	99.9	265.2	29.6	29.5	2.5	370.2	959.9	99.9	999.9	50 • 2		
47.0	115.8	14827.3	125.0	-58.4	99.9	264.7	26.3	26.2	2.4	389.3	999.9	99.9	999.9	56+0		
51 6 7	124.0	16245.2	100.0	-54.6	99.9	262.1	21.1	20.9	2.9	422.2	999.9	99.9	999.9	63.2		
57.4	133.3	18082.1	75.0	-58.8	99.9	297.9	5.7	5.0	-2.7	449.7	999.9	99.9	999.9	68. 0		
64.4	143.0	20626.3	50.0	-56.7	99.9	102.2	4.7	-4.6	1.0	509.8	999.9	99.9	999.9	70.5		
75.5	153.3	25090.2	25.0	-50.5	99.9	29.3	1.6	-0.8	-1.4	639.8	999.9	99.9	999.9	71.3	84.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 645 GREEN BAY. WIS

## 24 APRIL 1975 2115 GMT

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15. 0

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEFD U COMP A CCMB POT T E POT T MX RTO RH PANGE. A 7 GPM PCT MB DG C M/SEC M/SEC DG K DG K GM/KG K4 DG MIN DG C DG M/SEC 210.0 989.5 293.2 0.0 7. 3 7.8 1.0 70.0 5.1 -4.8 -1.7 282.3 4.2 62.0 0.0 0. 999.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 -1.7 0.6 8.3 331.7 975.0 6.9 0.3 24.4 4-1 -3.7 282.7 293.2 4.0 62.7 0.2 242. 950.0 30.1 -2.0 -3.5 282.7 294.2 4.4 77.1 0.4 223. 1.5 10.5 544.5 4.8 1.2 4.1 761.4 925.0 2.8 -0.5 -4.0 282.8 294.4 4.4 87.7 0.6 215 2.5 12.7 1.0 6.8 4 . 1 982.7 900.0 -4.4 283.3 295.3 99.8 0.8 206. J. 2 15.0 2.9 -0.2 4.6 1.1 1 - 1 4 . 4 1209.3 -2.6 285.2 293.1 3.9 17.1 875.0 1.0 -5.4 32.4 4.6 -4.0 2.9 62.1 1.0 234. 19.6 1444-1 850.0 -6.9 37.2 -3.2 -4.2 290.7 298.2 2.7 45.0 1.2 298. 4.9 4.0 5.3 21.8 1686.8 825.0 3.6 -9.3 19.7 3.4 -1.2 -3.2 292.7 299.2 2.3 38.1 1.5 208. 5.7 6.7 24.3 1935.9 800.0 2.1 -10.7 337.1 4.8 1.9 -4.4 293.6 299.9 2.2 39.2 1.6 205. 775.0 -4.5 296.9 1.8 196. 7.6 26.7 2192.0 2.5 -4239 315.4 6.4 4.5 296.5 0.1 1.8 8.5 29.2 2457.0 750.0 2.6 -42.9 306.7 6.9 5.5 -4.1 299.4 299.8 0.1 1.8 2.0 137. 301.1 2.2 176. 9.5 31.9 2729.9 725.0 1.2 -43.1 297.4 8.6 7.6 -3.9 300.7 0. 1 2. C -4.1 10.5 34.5 3011.2 760.0 -0.5 -43.5 295.2 9.6 8.7 301.9 302.3 0.1 2.2 2.5 165. 675.0 10.9 -4.0 303.6 304.0 3.0 154. 11.6 37.1 3300.7 -1.8 -43.8 290.0 11.6 0.1 2.3 -3.0 12.6 39.9 359967 650.0 -3.7 -26.1 265.0 11.7 11.3 304.8 307.1 0.7 15.8 3.6 146. 13.8 42.6 3907.9 625.0 -6.2 -26.1 285.6 13.0 12.6 -3.5 305.4 307.7 0.7 18.9 4.2 138. 14. B 45.5 4225.9 600.0 -8.0 -40.6 288.6 13.7 13.0 -4.4 306.9 307.5 0.2 5.2 5.0 133. 575.0 -10.3 -33.1 307.9 309.3 13.3 6.0 129. 16.1 48.5 4555.1 284.0 15.1 14.6 -3.7 0.4 308.6 309.8 7.1 124. 17.4 51.4 4895.7 550.0 -13.0 -35.4 281.2 16.1 15.8 -3.1 0.3 13.3 5248.4 -15.8 309.4 310.5 8.3 120. 18.7 54.6 525.0 -36.6 275.3 18.1 18.0 -1.7 0.3 14.7 20.0 57.6 5614.6 500.0 -18.5 -37.9 310.5 311.5 9.6 116. 269.9 18.1 18.1 0.0 0.3 16.1 21.4 61.0 5994.8 475.0 -21.8 -37.4 311.0 312.0 22.7 11.0.112. 265.6 20.1 20.0 1.6 0.3 22.8 5391.4 450.0 -24.1 -40.0 313.0 313.9 12.7 109. 64.4 269.1 21.8 21.8 0.4 0.3 21.2 24.2 67.7 6606.7 425.0 -26.0 -52.7 265.9 20.9 20.8 1.5 315.6 315.8 0.1 6.1 14.4 106. 25.8 71.1 7241.8 400.0 -30.1 316.0 ·-55.3 269.9 19.5 19.5 0.0 315.8 0.1 6.5 16.1 104. 27.3 75.0 7697.6 375.0 -33.6 -57.6 275.4 21.8 21.8 -2.0 317.0 317.1 0.0 6. 9 19.0 103. 29.0 75.0 8178.2 350.0 -36.9 -54.8 274.9 24.3 24.2 -2.1 318.9 319.1 0.1 13.5 20.4 102. 30.8 83.0 8625.7 325.0 -41.8 99.9 268.5 25.3 25.3 319.1 999.9 99.9 999.9 23.0 101. 0.5 32.7 9223.2 300.0 87.2 -46.2 99.9 270.9 27.9 27.9 -0.4 320.2 999.9 99.9 999.9 25.9 100. 34.6 91.8 9795.9 275.0 -50.4 99.9 267.1 33.8 3348 1.7 322.2 999.9 99.9 999.9 29.4 98. 10410.8 250.0 -65.4 999.9 36.7 96.4 99.9 264.4 35.2 35.1 3.4 323. € 99.9 999.9 33. 7 97. 39.0 101.5 11076.3 225.0 -58.1 99.9 262.1 33.7 33.4 4.7 329.4 999.9 99.9 999.9 38.4 95. 41.6 107.3 11823.0 200.0 -56.7 99.9 343.0 999.9 99.9 999.9 42.8 93. 252.4 25.5 24.3 7. 7 113.3 12672.9 175.0 -56.7 99.9 999.9 999.9 92. 44.4 260.8 30.6 30.2 4.9 356.4 99.9 47.3 47.7 119.8 13646.2 150.0 -56.2 99.9 262.8 24.8 3. L 373.3 999.9 99.9 999.9 52.7 91. 25.0 51.3 127.0 14810.8 125.0 -54 . 8 99.9 259.1 27.2 26.7 5.2 395.8 999.9 99.9 999.9 58.2 90. 135.3 55.9 16241.1 100.0 -54.6 99.9 252.1 24.7 23.5 7.6 422.3 999.9 99.9 999.9 04.7 89. 18094.8 61.8 143.3 75.0 -55.3 99.9 280.4 9.2 9.1 -1.7 456.9 999.9 99.9 999.9 71.9 38. 70.0 152.0 20671.4 50.0 -53.6 99.9 143.7 5.6 -3.3 4.5 517.3 999.9 99. 9 999.9 74.0 98.

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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN & DEG

STATION NO. 654 HURON. 5 D

24 APRIL 1975 2015 GMT

153 14. ٥ PRES TIME CNTCT HE I GHT TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 5.7 392.0 964.1 15.0 10.6 120.0 7.2 -6.2 3.6 292.3 314.3 8.4 75.0 0.0 0. 999.9 999.9 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 97.9 99.9 99.9 99.9 999.9 999. 975.0 99.9 99.9 999.9 999.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999. 9 999. 0.2 10.7 516.4 950.0 12.8 8.8 132.8 -5.0 4.7 291.2 310.9 7.5 76.5 0.3 299. 6.9 13.0 739.9 925.0 10.7 8.5 141.6 7.6 -4.7 6.0 291.3 311.2 7.6 86.3 0.5 304. 1.0 15.3 968.3 900.0 169.2 8.3 -1.6 292.4 310.7 6.9 81.9 0.9 315. 1.6 9.7 6. 7 8.2 2.3 17.5 1202.5 875.0 9.3 4.4 199.3 7.8 2.6 7.4 294.3 310.5 6.0 71.0 1.1 329. 295.0 309.3 67.5 1.3 345. 3.1 20.1 1442.5 850.0 7.8 2.1 214.6 8.0 4.5 6.6 5.3 3.5 22.3 1688.2 825.0 6.2 0.8 222.7 7.5 5.1 5.5 295.8 309.3 4.9 68.5 1.5 355. 4.8 25.0 1939.6 800.0 4.0 0.5 241.6 8+2 7.2 3.9 296.0 309.7 5.0 77.8 1.8 . 7. 5.6 27.3 2197.4 775.0 2.2 0.3 240.0 11.0 9.5 5.5 296.9 310.8 5.1 87.1 2.1 17. 750.0 297.4 310.0 86.5 2.7 30. 6.7 29.9 2461.6 0.3 -1.7 244.5 14.0 12.6 6.0 4.5 32.7 2732.8 725.0 -1-4 -5.5 240.2 15.3 13.3 7.6 298.4 308.4 3.5 74.1 3.4 38. 7.6 3012.0 700.0 -25.0 234.1 16.4 13.3 9.6 299.9 302.2 0.7 15.8 4.3 42. 8.6 35.3 -2.4 9.6 28.0 3300.0 675.0 -3.6 -37.3 227.4 16.7 12.3 11.3 301.6 302.4 0.2 5.2 5.3 44. 10.6 40.6 3597.1 650.0 -5.6 -47.3 221.8 16.3 10.8 12.1 302.6 302.9 0.1 2.1 6.3 44. 11.5 43.4 3903.1 625.0 -8.0 -46.9 218.6 15.9 9.9 12.4 303.2 303.5 0. 1 2.6 7.2 43. 4218.4 600.0 -10.9 -42.3 218.8 12.1 303.5 304.0 5.4 8. 1 43. 12.5 46.4 15.6 9.8 0.2 13.5 49.4 4543.7 575.0 -13.8 -38.0 217.6 9.2 12.0 303.9 304.7 0.3 11.0 9. 1 42. 15.1 14.7 52.3 4879.6 550.0 -16.5 -35.2 217.4 15-2 9.2 12.1 304.5 305.6 0.3 18.1 10.1 42. 15.9 55.3 5227.3 525.0 -19.4 -25.9 217.7 15.9 9.7 12.6 305.2 308.0 0.9 56.1 11.2 41. 17.2 58.4 5588.7 500.0 -21.7 -24.9 221.8 16.1 10.7 12.0 306.7 309.9 1.0 74.6 12.4 41. 61.7 5964.6 475.0 -24.6 -29.7 226.7 11.0 307.5 309.8 0.7 62.6 13.6 41. 18.4 16.0 11.7 19.8 65.2 6356.2 450.0 -27.3 -32.5 229.7 16.5 12.6 10.7 308.9 310.8 0.5 60.6 15.0 42. 21.2 66. 5 6765.3 -30.6 -36.5 235.4 19.2 309.8 311.1 0.4 55.7 16.4 43. 425.0 15.5 10.9 23.2 71.9 7193.3 400.0 -33.5 -48.2 232.6 23.1 18.4 14.1 311.4 311.8 0.1 21.5 19.1 44. 75.7 7643.6 375.0 -36.5 227.8 19.3 13.0 313.4 999.9 99.9 999.9 21.6 45. 25.2 99.9 14.3 26.8 79.7 8117.8 350.0 -40.5 99.9 213.5 18.6 10.3 15.5 314.2 999.9 99.9 999.9 23.3 45. 999.9 99.9 999.9 24.8 44. 28.1 63.5 6618.3 325.0 -44.6 99.9 215.2 18.2 10.5 14.9 315.1 29.8 87.6 9148.6 300.0 -49.2 99.9 225.2 18.2 12.9 12.8 316.0 999.9 99.9 999.9 26. 6 44. 31.7 92.2 9717.3 275.0 -50.7 99.7 234.0 20.5 16.6 12.0 321.8 999.9 99.9 999.9 28. 7 44. 33.6 96.6 10337.3 250.0 -51.1 99.9 236.6 23.9 20.0 13.2 330.1 999.9 99.9 999.9 31.5 45 101.5 11019.9 -51.6 99.9 243.9 339.5 999.9 99.9 999.9 34.6 47. 35.9 225.0 19.8 17.6 8. 7 107.0 1178C-1 200.0 -53.9 99.9 347.4 999.9 99.9 999.9 36.8 48. 38.3 245.B 19.0 17.3 7.8 41.2 112.7 12638+2 175.0 -54.1 99.9 255.4 20.6 19.9 5. 2 360.6 999.9 99.9 999.9 40.0 50. 377.2 999.9 99. 9 999.9 44.3 53. 44.5 118.8 13629.8 150.0 -53.9 99.9 262.4 19.9 19.7 2.6 48.7 125.5 14801.0 125.0 -53.8 99.9 255.4 17.3 16.7 4.4 397.6 999.9 99.9 999.9 48.2 554 239.7 423.7 999.9 99.9 999.9 52.8 57 53.6 133.3 16230.8 100.0 -53.8 99.9 11.2 9.7 5.7 59.5 140.8 18078.4 75.0 -53.5 50.0 246.1 10.7 9.8 4.3 460.7 999.9 99.9 999.9 57.0 57. 20691.5 99.9 207.2 2.1 517.6 999.9 99.9 999.9 58.3 570 67.2 149.3 50.0 -53.4 4.5 4.0

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETNEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655 ST CLOUD. MINN

24 APRIL 1975 2015 GMT

156 25. 0 TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTD RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GH/KG PCT KM DG 0.0 316.0 979.0 9.6 90.0 2.6 -2.6 0.0 285.2 299.6 5.5 72.0 0.0 0. 6.6 4.8 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99. 9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 7.1 349.9 975.0 2.8 82.7 3.0 -3.0 -0.4 284.0 296 . 6 4.8 69.2 0.1 257. 0.2 8. 1 9.4 3.5 89.1 3.0 -3.0 -0-0 284.1 297.5 5.2 83.2 0.2 259. 0.9 563.9 950.0 6.1 0.3 267. 1.6 11.5 782.0 925.0 4.1 3.5 100.7 3.0 -2.9 0.6 284.2 298.0 5.3 95.8 13.7 1004.3 900-0 1.9 94.1 3.0 -3.0 0.2 284.3 297.1 4.9 99.0 0.5 271. 2.5 2.1 97.6 -3.3 286.5 299.8 98.7 0.6 274. 3.4 15.5 1231.8 875.0 2.1 1.9 3.3 0.4 5.0 0.8 275. 4.3 18. 2 1466.1 850.0 1.9 -1.0 109.1 3.2 -3.0 1.1 288.6 299.9 4.2 81.4 0.9 280. 1706.6 625.0 -2.9 165.5 3.0 -0.7 2.9 289.7 299.9 3.7 77.2 5.2 20.6 0.6 22. 9 1953.6 800.0 0.1 -1.8 208.7 2.8 1.3 2.4 291.8 303.2 4.2 86.8 0.9 291. 6.1 -18.0 1.3 293.8 297.6 27.8 0.9 297. 6.9 25.3 2207.8 775.0 -0.2 229.1 2.0 1.5 1.3 0.8 304. 7.9 27.7 2470.6 75C.0 0.6 -40.0 261.2 2.6 2.6 0.4 297.2 297.8 0.2 2.9 90.9 307.0 8.8 30.3 2742.0 725.0 -0.6 -8.9 999.9 99.9 99.9 299.2 2.7 53.6 999.9 999. 306.4 9.9 32.9 3021.2 700.0 -3.1 -10.6 999.9 99.0 99.9 99.9 299.3 2.4 56.3 999. 9 999. 300.5 3308.5 -10.5 999.9 99.9 99.9 99.9 307.9 2.5 64.6 939.9 999. 10.9 35.5 675.0 -4.9 -41.6 999.9 99.9 99.9 99.9 302.0 302.5 0.2 4.1 999. 9 999. 11.9 38. 1 3604.2 650.0 -6.2 303.1 303.5 3.8 1.9 40.8 3909.9 625.0 -8.2 -43.6 259.4 9.4 9.3 1.7 0.1 66. 13.1 304.€ 309.2 47.2 -19.0 258.2 9.4 2.0 1.4 2.5 69. 14.2 43.6 4226.1 600.0 -9.9 9.6 -12-1 8.7 306.0 309.4 41.5 3. 2 71. 15.5 4553.3 575.0 -22.6 259.9 8.8 1.5 1.1 46.6 306.9 311.1 60.9 3.8 73. -14.6 -20.5 264.4 9.4 9.4 0.9 1.4 16.7 49.5 4891.7 550.C 307.9 311.1 53.6 75. 17.8 5242.6 525.0 -17.2 -24.3 255.8 10.9 10.6 2. 7 1.0 4.5 52.4 -34.7 242.1 309.6 310.9 0.4 24.3 5. 5 73. -19.3 14.8 13.1 6.9 19.2 55.5 5607.0 500.0 8.7 310.5 311.1 0.2 12.3 6. 5 70 20.6 58.7 5986.4 475.0 -22.2 -43.5 235.9 15.5 12.8 -38.6 237.6 7.6 310.8 311.8 0.3 28.6 8.0 68. 21.9 62. O 6380.9 450.0 -25.8 14.2 12.0 23.4 65.4 6792.1 425.0 -29.5 -41.8 242.8 12.3 10.9 5.6 311.2 312.0 0.2 28.8 9. 1 67. 7221.6 -33.1 -41.5 251.3 11.2 10.6 3.6 312.0 312.8 0.2 42.3 10.2 67. 25.0 69.0 400.0 -37.1 255.0 312.5 312.9 0.1 29.8 11.3 68. 26.5 72.5 7671.9 375.0 -48.3 14.1 13.6 3.7 259.5 3.1 313.2 999.9 99.9 999.9 12.9 69. 0145-1 99.9 16.7 16.4 28.3 76.4 350.0 -41.2 999.9 18.9 313.9 99.9 999.9 14.8 70. 80.4 8643.7 325.0 -45.6 99.9 253.7 19.7 5.5 30.0 999.9 99.9 999.9 17.2 70. 9171.9 253.3 24.7 23.6 7.1 315.2 31.8 E4. 7 300.0 -49.8 99.9 999.9 317.3 99.9 999.9 20.4 71. 9735.7 275.0 -53.8 99.9 248.7 28.9 26.9 10.5 33.8 89.0 24.4 321.0 999.9 99.9 999.9 23.7 70. 10342.8 -57.2 238.7 14.8 35.7 93.8 250.0 99.9 28.5 24.9 326.9 999.9 99.9 999.9 27.4 68. 37.9 98.8 11003.0 225.0 -59.8 99.9 246.3 27.2 10.9 999.9 200.0 256.8 5.8 341.5 99.9 999.9 31.3 69. 40.5 104.2 11744.0 -57.7 99.9 25.3 24.7 358.1 999.9 999.9 35.3 71. 43.3 110.2 12592.8 175.0 -55.6 99.9 259.6 19.7 19.3 3. 6 99.9 46.6 116.7 13573.6 150.0 -56.3 99.9 253.3 22.3 21.3 6.4 373.1 999.9 99.9 999.9 39. 9 71. 124.3 14738+1 -56.4 99.9 256.6 17.1 16.7 4.0 392.9 999.9 99.9 999.9 44.3 72. 50.5 125.0 132.7 16165.2 100.0 -53.6 99.9 237.2 15.7 13.2 8.5 424.2 999.9 99.9 999.9 49.8 72. 55.2 227.7 8.7 463.4 999.9 99.9 999.9 55.6 71., 61.5 142.0 18018.4 75.0 -52.2 99.9 13.0 9.6 151.7 20614-1 -52.0 99.9 225.0 1.8 1.3 1.3 521.0 999.9 99.9 999.9 57. 9 71. 69.4 50.0

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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEM INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662 RAPID CITY. S D

24 APRIL 1975

							2015 G	MT					1	43 25.	0	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GRM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	١,
0.0	14.1	966.0	902.1	15.6	4.6	320.0	10.3	6.6	-7.9	298.2	314.5	5.9	48.0	0.0	0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	<b>99.9</b>	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.0	14.3	985.8	900.0	14.9	4.4	324.2	10.9	6.4	-8.e	297.7	313.7	5.8	49.2	0.1	33.	
0.8	16.3	1221.9	875.0	10.5	2.1	334.9	13.6	5.8	-12.3	295.3	309.3	5.1	56.0	0.7	159.	
1.5	18.5	1462.5	850.0	7.9	1.1	325.9	12.2	6.9	-10.1	295.1	308.5	4.9	62.1	1.2	156.	
2.3	2C.7	1708.0	825.0	5.7	-1.2	312.7	12.9	9.5	-6.7	295.2	307.0	4.3	60.9	1.8	150.	
3.2	22.9	1959.0	800.0	3.9	-3.0	304.8	14.0	11.5	-8.0	295.8	306.5	3.8	60.3	2.5	144.	
4.0	25.2	2216.3	775.0	1.6	-4.7	303.8	14.1	11.7	-7.8	296.0	305.8	3.5	62.9	3. 2	139.	
5.1	27.5	2479.5	750.0	-1.0	-7e2	306.6	13.4	10.7	-8.0	295.9	304.4	3.0	62.6	4.0	136.	
6.0	30.0	2749.0	725.0	-2.9	-11-1	302.0	15.2	12.9	-8.1	296+5	303.1	2.3	53.1	4.8	135.	
6.7	32.5	3028.1	700.0	-2.3	-22.1	297.4	14.2	12.6	-6.5	300.0	302.9	0.9	20.1	5.4	133.	
7.4	35.1	3315.7	675.0	-4.2	-22.5	292.2	13.8	12.8	-5.2	301.0	303.9	0.9	22.5		131.	
6.3	37.5	3612.1	650.0	-6.4	-20.6	288.1	13.5	12.8	-4.2	301.8	305.4	1.2	31.9	6. 6	129.	
9.2	40.1	3917.5	625.0	-8.2	-25.1	291.8	14.8	13.7	-5.5	303.2	305.7	0.8	24.4		127.	
10.1	42.7	4233.0	600.0	-10.7	-31.8	299.2	15.9	13.8	-7.7	303.8	305.2	0.4	15.5		125.	
11.1	45.6	4559+1	575.0	-12.8	-30.4	307.3	14.9	11.9	-9.0	305.1	306.8	0.5	21.2	9. 1	125.	
12.1	48.4	4897.3	550.0	-14-4	-38.4	313.6	16.5	11.9	-11.4	306.9	307.8	0.2	11.0	10.0	126.	
13.2	5 to 3	5248.8	525.0	-16.2	-39.6	317-1	19.5	13.3	-14.3	308.9	309.7	0.2	11.2	11.2	127.	
14.3	54.3	5613.9	500.0	-19-1	-41.7	316.3	19.3	13.3	-13.9	309.7	310.4	0.2	11.5	12.4		
15.4	57.3	5993.1	475.0	-22.5	-44.2	310-1	20.9	16.0	-13,4	310.1	310.6	0.2	11.8	13.7		
16.5	60.5	6387.2	450.0	-25.9	-46.6	304.2	22.5	18.6	-12.7	310.7	311.1	0.1	12.2	15. 2		
17.7	64.0	6797.8	425.0	-29.9	-49.6	301.7	24.2	20.6	-12.7	310.6	311.0	0.1	12.6	16.8	128.	
18.8	67.3	7227.5	400.0	-33.1	-52.0	304.5	25.1	20.7	-14.2	312.0	312.2	0.1	12.9	18.5	127.	
50.0	70.9	7677.9	375.0	-36.6	-54.7	305.9	24.7	20.0	-14.5	313.0	313.3	0.1	13.3	20.2		
21.2	74.7	8151.6	350 • 0	-40.8	99.9	305.9	23.4	18.9	-13.7	313.7	999.9	99.9	999.9	22.1	127.	
22.6	78.8	8651.1	325.0	-45.2	99.9	305.4	24.2	19.7	-14.0	314.4	999.9	99.9	999.9	24.0	127.	
24.1	82.8	9180.9	300.0	-49.1	99.9	305.4	23.9	19.5	-13.5	316.2	999.9	99.9	999.9	26 • S		
25.6	67.0	9746.0	275.0	-53.7	99.9	300.5	26.8	23.1	-13.6	317.5	999.9	99.9	999.9	28.4	127.	
27.3	91.7	19353.5	250.0	-57.1	99.9	298.3	25.1	22.1	-11.9	321.2	999.9	99.9	999.9	31 . 0		
29.0	96.6	21018.4	225.0	-57.1	99.9	295.2	22.3	20.2	-9.5	331.0	999.9	99.9	999.9	33.8	125.	
31.2	101.8	11764.6	200.0	-56.0	99.9	269.4	26.0	26.0	0.2	344-1	999.9	99. 9	999.9	36.4	123.	
33.7	107.8	12619.6	175.0	-54.9	99.9	275.1	17.1	17.0	-1.5	359.3	999.9	99.9	999.9	39.0	121.	
36.8	114.3	13601.5	150.0	-55.7	59.9	273.6	21.3	21.3	-1.4	374.1	999.9	99.9	999.9	42.4		
40.4	121.3	14753.9	125.0	-55.5	99.9 .	265.9	25.0	24.9	1.6	394.6	999.9	99.9	999.9	46.3		
44.4	129.7	16180.9	100.0	-54.0	99.9	258.6	16.3	16.0	3.2	423.5	999.9	99.9	999.9	50.7	112.	
49.1	138-0	18013.4	75.0	-51.0	99.9	250.1	12.1	11.4	4.1	466.0	999.9	99.9	999.9	53.1	109.	
55.9	146.7	20632.1	50.0	-52.5	99.9	314.8	2.6	1.8	-1.8	519.8	999.9	99.9	999.9	54.4	107.	

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 11001 MARSHALL SPACE FLIGHT CENTER

24 APRIL 1975 2026 GMT

165 17. 0

			•													
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIP	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE		
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KY	DG	
0.0	5.9	180.0	995.4	25.9	17.5	210.0	3.6	1.8	3.1	301.2	335.4	12.8	60.0	0.0	o.	,
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	. 999.9	999.	
0.8	7.8	362.2	975.0	24.1	16.5	200.2	9.7	3.4	9.1	301.1	333.8	12.2	62.4	0.3	16.	
1.7	9.9	589.2	950.0	21.9	16.2	204.4	9 • 1	3.8	8.3	301.1	334.0	12.3	70.1	0.8		
2.4	1129	620.3	925.0	19.3	15.4	200.6	10.2	4.9	9.0	300.6	332.7	12.0	78.3	1.2		
3.2	14.2	1055.8	900.0	17.1	15.0	222.5	10.2	6.9	7.5	300.7	333.0	12.1	87.6	1.7		
4.0	16.2	1296.3	875.0	15.4	14.3	234.5	10.4	8.4	6.0	301.3	333.1	11.8	93.3	2.2		
4.9	18.5	1541.8	850.0	12.8	12.2	250.5	13.7	12.9	4.6	300.9	329.5	10.6	96.4	2. 7	37.	
5.7	20.7	1793.1	825.0	12.2	10.5	265.4	15.1	15.0	1.2	302.7	329 • 3	9.7	89.5	3. 3		
6.7	22.9	2050.9	800.0	10.3	9+3	263.5	17.3	17.2	2.0	303.3	328.6	9.2	93.5	4.0	54.	
7.6	25.3	2315.4	775.0	9.2	7.5	261.4	18.0	17.8	2.7	304.8	325 • 3	8.5	89.2	5. 0		
8.7	27.6	2587.0	750.0	7.2	5.6	261-1	16.3	18.1	2.8	305.4	326.8	7.7	89.3	6.2		
9.8	30-1	2865.5	725.0	5.0	3.2	263.4	17.4	17.3	2.0	305.9	324.7	6.7	87•7	7.3	67.	
11.0	32.7	3151.5	700.0	2.9	1.7	264.5	18+1	18.0	1.7	306.5	324.2	6.2	91.8	8• 4	70.	
11.9	35.3	3445.7	675.0	1.3	-2.9	262.8	18.0	17.8	2.3	307.7	321.9	4.9	80.2	9.4	71.	
12.9	37.8	3750.0	650.0	1.1	-11.2	259.8	19.3	19.0	. 3.4	310.5	318.1	2.5	39.1	10.4	72.	
13.9	40.4	4064.4	625.0	-0.8	-26.5	257.1	22.1	21.5	4.9	311.7	314.4	0.8	14.5	11.7		
15.0	43.1	4389.2	600.0	-2.4	-32.3	256.6	24.6	24.2	4. B	313.4	314.8	0.4	7.8	13.3		
16.3	46.0	4725.3	575.0	-4 · 8	-32•7	264.9	25.3	25.2	2.3	314.4	315.9	0.4	9• 0	15.2		
17.8	49.0	5073.0	550.0	-7.5	-36.4	273.9	27.7	27.7	-1.9	315.2	316.3	0.3	7.7	17.4	76.	
18.9	51.9	5434.4	525.0	-8.4	-41.3	276.3	29.2	29.0	-3.2	318.3	319.0	0.2	4.9	19.4	78.	
20.2	£5.0	5810.3	500.0	-12.0	-21.5	282.9	29.1	28.4	-6.5	318.6	323.0	1.4	44.7	21.3		
21.3	58.1	6201.3	475.0	-14.3	-29.2	280.8	29.9	29.3	-5.6	320.3	322.7	0.7	27.0	23.3		
22.6	61.4	6608+5	450.0	-16.0	-38.3	279.7	29.1	28.7	-4.9	320.5	321.6	0.3	14.9	25.4		
23.8	65.0	7032.4	425.0	-21.6	-53.7	279.3	28.7	28.3	-4.6	321.3	321.5	0.1	3.6	27. 5		
25.3	68.4	7476+3	400.0	-25.1	-55.4	278.3	26.7	26.5	-3.9	322,3	322.5	0.0	4.0	29.7		
26.6	72.0	7541.3	375.0	-28.9	-54.0	276.4	25.2	25.0	-2.€	323.2	323.5	0.1	6.8	32• 2		
28.6	76.0	8430-1	350.0	-33.7	-41.6	279.6	22.6	22.3	-3.8	323.3	324.3	0.3	44.3	34.5		
30.5	80.1	8946.6	325.0	-36.8	-42.3	281.3	19.3	19.0	-3.8	325.9	326.9	0.3	56.2	36. 9		,
32.3	64.5	9496.6	300.0	-40.8	99.9	277.2	18.6	18.5	-2.3	327.8	999.9	99.9	999.9	38. 9	89.	, .
34.2	89.0	100.81.6	275.0	-46.3	99.9	281.9	16.1	15.8	-3.3	328.1	999.9	99.9	999.9	40.9		
36.2	94.0	10707.4	250.0	-51.5	99.9	265-1	12.8	12.3	-3.3	329.6	999.9	99.9	999.9	42.4		
38 • 3	99.2	11392.8	225.0	-57.6	99.9	273.5	11.8	.11.8	-0.7	330.3	969.9	99•9	999.9	43.8		
40.3	104.8	12116.6	200.0	-62.6	99.9	263.3	19.4	19.3	2.3	333.6	999.9	99.9	999.9	45.5		
42.8	111.0	12937-1	175.0	-62.5	99.9	278.9	32.7	32.3	-5, 1	346.7	999.9	99.9	999.9	49.8		
45.7	117.8	13895.9	150.0	-61.2	<b>99.9</b>	275.4	29.7	29.5	-2.8	364.7	559.9	99.9	999.9	55.5		
49.0	125-8	15026.6	125.0	-61.2	99.9	. 262.8	29.2	28.9	3.6	384.1	999.9	99.9	099.9	61.0		
52.7	134.5	16391.9	100.0	-65.9	99.9	274.2	18.5	18.5	-1.3	400.5	999.9	99.9	999.9	66. 4		
57.6	143.7	18122.3	75.0	-68.4	99.9	273.3	8.0	5.0	-0.5	429.5	999.9	99.9	999.9	70.6		
64.4	154.0	20606.9	50.0	-60.7	99.9	274.6	5+1	5.1	-0.4	500.4	999.9	99.9	999.9		~ 91 •	
74.8	165.5	25018-5	25.0	-51.8	99.9	41.5	5.6	-3.7	-4.2	635.8	999.9	99.9	999.9	73.2	92.	,

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

25 April 1975

0000 GMT

341

## STATION NO. 208 CHARLESTON. SC

24 APRIL 1975 - 2315 GMT

							- 2313 G						•	J, L.	•
TIME	CNTCT	PEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCPP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB <sub>.</sub>	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.6	13.0	1018.3	22.2	15.5	210.0	7.2	3.6	6.2	295.3	324.2	11.0	66.0	0.0	0.
0.4	5.9	170.8	1000.0	21.2	14.9	217.9	7.9	4.9	6.3	295.8	324.1	10.7	67.1	0.3	25.
1-1	2.1	389.6	975.0	19.1	14.5	213.5	9.1	5.0	7.6	295.8	324 • 1	10.8	75.0	0.6	36.
1.8	10.3	612.7	950.0	17-1	12.9	214-5	10-9	6.2	9.0	295.9	322.2	9.9	76.3	1.1	31.
2.6	12.4	840.5	925.0	16.6	13.1	231.8	9.7	7.7	€.0	297.7	325.2	10.3	79.7	1.6	34.
3.5	14.7	1074.2	900.0	15.9	10.9	249.3	10.0	9.4	3.5	299.1	323.8	9 • 2	72.3	2.0	41.
4.2	16.8	1313-5	875.0	14.5	9.0	252.7	11.4	10.9	3.4	300.0	322.5	8.3	69.5	2.5	47.
5.2	19.2	1550.2	650.0	12.8	7.2	245.9	1,1 • 2	10.2	4.6	300.6	321.1	7.5	68.4	3.0	52.
6. I	21.4	1808.6	825.0	10.9	3.9	238.8	12.4	10.6	6.5	301.0	318.3	6.3	62.6	3. 7	53.
7+0	23.9	2064.9	800.0	10.2	-11.5	246.9	11.5	10.9	4.6	302.3	308.3	2.0	20.5	4.3	546
8.0	26.2	2329.0	775.0	10.4	-7.7	250.7	12.8	12.1	4.2	305.4	313.6	2. 8	27.1	5.0	57.
8.9	28.8	2601-1	750.0	8.7	-0.9	256.8	12•,5	12.2	2.9	306.7	320 • 5	4.8	51.1	5. 7	58.
9.8	21.4	2891.3	725.0	7.6	-2.6	269.0	12.6	12.6	0.2	308.3	321.1	4.4	48.5	6.3	61.
10.8	34.1	3169.9	700.0	7.1	-11.6	274.1	13.2	13.1	-0.9	310.6	317.5	2.3	25 <b>.</b> l	7.0	64.
11.9	36.7	3468.0	675.0	4.9	-6.5	273.6	13.5	13.4	-C.9	311.6	322.0	3.5	43.6	7.8	66.
13.0	39.4	3774.6	650+0	2,3	~5.8	279.9	14.8	14.5	-2.5	312.0	323.4	3.6	55.3	8.6	71.
14.0	42.1	4090.4	625.0	0.2	-8.4	267.8	16.2	15.4	-4.9	313.1	322.9	3.2	52.3	9∳5	74.
15.2	45.0	4416.6	600.0	-1.8	-7.6	295.7	15.0	13.5	-6.5	314.5	325.4	3.6	64.6	10.3	76.
16.4	48.1	4754.3	575.0	-4.1	-9.1	291.0	14.8	13.8	-5. J	315.6	325.8	3.3	67.6	11.2	81.
17.7	5C.9	5103.3	550.0	-7.1	-10.7	289.9	15.5	14.6	-5.3	316.0	325.4	3.1	75.6	12.3	84.
19-1	54.1	5464.7	525.0	-9.7	-15.6	289.1	13.2	12.4	-4.3	317.0	323.7	2.1	61.1	13.4	86.
20.5	57.1	5839.6	500.0	-12.6	-17.4	294.9	12.4	11.2	-5.2	317.8	324.0	1.9	67.2	14.4	88.
21.8	60.6	6229.9	475.0	-14.8	-20.1	298.6	12.0	10.6	-5• B	319.8	325.1	1.6	64.1	15.2	90.
23.1	64.0	6637.5	450.0	-17-3	-25.2	297.9	12.2	10.8	-5.7	321.6	325.2	1.1	49.9	16.1	91.
24.6	67.3	7063-8	425.0	-20.3	-44.4	301.4	14.2	12.1	-7.4	322.9	323.5	0.2	9.4	17.0	93.
26.2	70.9	7509.2	400.0	-24.3	-47.1	295.0	14.1	12.5	-6.0	323.4	323.9	0.1	9.9	18.3	95.
25.3	74.8	7976.5	375.0	-27.4	-49.3	296.0	14.5	13.3	-6.5	325.3	325.7	G . 1	10.2	20.0	97.
30.5	79.0	8469.2	350.0	-31.3	-52.1	290.6	14.0	13.1	-4.9	326.4	326.8	0.1	10.7	21.9	98.
32.6	63.0	8988.9	325.0	-36.0	-55.5	291.1	14.2	13.2	-5. 1	327.0	327.2	0.1	11.2	23.7	99.
34.8	87.2	9538.8	300.0	-41.2	59.9	291.2	14.6	13.7	-5.3	327.3	999.9	99.9	999.9	25.6	100.
37.3	91.8	10123.5	275.0	-45.8	99.9	292.2	17.4	16.1	-6.6	329.0	999.9	99.9	999.9	27.8	101.
40-1	96.4	10750.6	250.0	-51.4	99.9	289.8	15.9	15.0	-5.4	329.6	999.9	99.9	999.9	30.6	102.
43.3	101.5	11427.5	225.0	-55.3	99.9	287.1	14.3	13.7	-4.2	333.7	999.9	99.9	999.9	33.6	103.
46.7	107.3	12168.3	200.0	-61.3	99.9	260.9	18.0	17.7	-3.4	335.8	999 • 9	99.9	999.9	36.9	102.
50.5	113.3	12991.7	175.0	-62.6	99.9	284.7	30.6	29.6	-7.6	346.7	999.9	99.9	999.9	42.1	102.
55-1	119.7	13948.2	150.0	-59.5	99.9	288.7	25.9	24.5	-8.3	367.7	999.9	99.9	999.9	50. 2	103.
60.3	127.0	1507e.1	125.0	-63-5	99.9	285.5	25.2	24.3	-6.7	379.9	999.9	99.9	999.9	56.8	104.
66.2	135.0	16432.7	100.0	-69.4	99.9	272.8	20.0	20.0	-1.0	393.7	999.9	99.9	999.9	63.6	104.
73.6	142.7	18157.9	75.0	-68.9	99.9	312.7	6.4	4.7	-4.4	428.6	999.9	99.9	999.9	70.4	105.
84-1	151-5	20628-1	50.0	-62.5	99.9	. 276.0	3.0	3.0	-0.3	496.3	999.9	99.9	999.9	73.1	105.
100-0	16C-7	25012.5	25.0	-53.3	99.9	65.6	6.5	-7.R	-3-5	631-6	999.9	99.9	999.9	74.0	108-

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 211

### 24 APRIL 1975 2315 GHT

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26. O

POT T E POT T TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP MX RTO RH PANGE AZ M/SEC MIN GFM MB DG C DG C DG M/SEC M/SEC DG K DG K GH/KG PCT KM DG 1018.7 299.2 330 .4 11.7 56.0 0.0 4.5 8.0 26.0 16.5 295.0 5.2 4.7 -2.2 0.0 0. 1000-0 298.2 326.0 0.3 111. 0.7 6.2 170.7 23.6 14.4 316.2 4.7 3.3 -3.4 10.4 56.4 975.0 22.1 304.1 3.7 -2.5 298.8 327.1 10.6 61.6 0.5 120. 1.6 E. 5 391.8 14.3 4.4 327.5 57.8 0.7 120. 2.3 10.5 617.7 950.0 21.7 13.0 306.7 1.9 1.5 -1-1 300.6 10.0 -5.5 8.7 13.3 848.8 925.0 10.5 102.3 301.4 325.1 52.9 0.6 124. 3.3 20.5 2.2 0.5 301.5 0.5 130. 4.3 15.7 1054.9 900.0 18.4 9.2 108.3 3.9 -3.7 1.2 323.9 8.2 55.2 18.1 1325.6 875.0 16.0 8.0 105.6 -5.2 1.9 301.4 322.6 7.7 58.9 0.2 157. 5.2 5.5 1571.5 7.4 113.1 5.7 -5.2 301.7 322.8 7.7 0.2 239. 6. l 20.6 850.0 13.9 2,2 65.1 -5.3 1822.5 825.0 7.1 122.5 301.9 323.1 73.8 0.5 276. 7-1 23.1 11.6 6.3 3.4 7.7 4.8 120.4 -4.6 2.7 301.8 320.5 73.8 0.8 289. 8.1 25.5 2079.2 800.0 9.2 5.3 6.8 9.6 1.6 9.1 28.1 2342.2 775.0 -13.3 101.7 2.9 -2.9 0.6 304.4 309.8 18.4 1.1 290. -15.2 307.8 10.3 30.9 2615.0 750.0 10.1 343.0 2.1 0.6 -2.1 312.6 1.6 15.2 1.2 287. 11.3 33.7 2895.8 725.0 9.0 -13.3 350.2 5.4 0.9 -5.3 309.6 315.4 1.9 19.2 1.0 277. 12.3 3185.4 700.0 -704 311.0 319.8 2.9 31.6 1.0 252. 36.3 7.4 -8.5 351.8 7.5 1.1 13.6 3483.9 675.0 5.8 -7.6 347.6 8.4 1.8 -8.2 312.5 322.2 3.2 37.6 1. 2 225. 39.2 313.4 324.4 1.7 206. 14.7 42.0 3791.7 650.0 3.5 -6.4 352.8 9.3 1.2 -9.2 3.7 48.4 15.9 45.0 4109.4 625.0 -8.0 2.6 9.9 -0.4 -9.9 315.0 325.1 3.3 47.9 2.3 199. 1 . 8 -0.5 324.7 3.0 195. 17.1 48.1 4437.3 600.0 -10.5 355.6 9.5 0.7 -9.5 315.9 2.9 46.5 18.4 £1.0 4776.7 575.0 -2.5 -12-5 342.3 10.5 3.2 -10-0 317.4 325.3 2.5 46.1 3.7 190. 54.3 4.4 183. 19.8 5129.1 550.0 -3.7 -16.4 325.1 8.9 5.1 -7.3 319.5 326 . 1 1.9 36.6 57.4 5.0 178. 21.3 5494.6 525.0 -6.6 -17.0 320.8 7.9 5.0 -6.1 320.7 326.8 1.9 43.4 -17.4 327.8 52.6 5.5 173. 22.8 60.9 5873.7 500.0 -9.6 308.1 8.4 6.6 -5.2 321.5 1.9 322.1 327.5 6.2 167. 24.4 64.5 6267.6 475.0 -12-9 -19.9 308.3 9.2 7.2 -5.7 1.7 55.8 26.0 67.9 6677.5 450.0 -16.1 -25.3 320.2 11.0 7.1 -8.5 323.1 326.8 1.1 44.8 7.0 162. 27.7 71.4 7105.8 425.0 -18.9 -27.9 315.2 13.4 9.4 -9.5 324.8 327.9 0.9 44.5 8.1 159. 29.4 75.3 7555.2 400.0 -21.5 -32.9 302.8 15.5 13.0 -8.4 327.1 329.2 0.6 34.7 9.4 154. 327.3 328.9 37.5 10.9 150. 31.2 79.5 8026.9 375.0 -25.9 -36.1 303.2 15.8 13.3 -8.7 0.5 e3. 5 33.1 8522.8 350.0 -29.9 -37.9 292.1 15.9 14.7 -6.0 328.4 329.9 0.4 45.2 12.5 145. -4.3 330.1 331.2 0.3 42.8 14.1 140. 35.0 27.7 9046.1 325.0 -33.7 -42.0 282.7 19.5 19.0 37.3 92.3 9602.3 300.0 -38.5 -47.5 285.9 21.2 20.4 -5.8 331.1 331.7 0.2 37.6 16.3 134. -13.0 332.9 999.9 99.9 999.9 19.1 131. 39.5 97.0 10194.2 275.0 -43.0 99.9 299.2 26.8 23.4 41.8 101.8 10830.6 250.0 -47.2 99.9 297.6 30.0 26.6 -13.9 335.1 999.9 99.9 999.9 23.3 129. 11517.3 29.8 -14.2 336.1 999.9 99.9 999.9 20.4 127. 44.6 107.5 225.0 -53.8 99.9 295.5 33.0 -11-1 337.6 999.9 99.9 999.9 33.8 125. 47.5 113.3 12262.9 200.0 -60.1 99.9 290.8 31.3 29.2 50.5 119.5 13084.5 175.0 -66.0 99.9 286.3 27.4 26.3 -7.7 341.0 999.9 99.9 999.9 38.6 122. 54.1 14041.0 297.9 -10.7 367.0 999.9 99.9 999.9 44.5 122. 126.5 150.0 -59.9 99.9 22.9 20.2 125.0 23.2 -2.6 376.0 999.9 99.9 999.9 49.2 120. 134.3 15161.4 -65.7 59.9 276.3 23.4 55.3 393.0 999.9 99.9 999.9 54.9 118. -2.5 63.3 142.0 16499.7 100.0 -69.8 99.9 286.7 8.8 8.4 -72.0 422.0 331.2 2.8 -5.2 999.9 99.9 999.9 57.0 118. 69, 3 150.7 18199-5 99.9 5.9 75.0 -60.4 4.7 999.9 99.9 999.9 57.3 119. 77.5 160.0 20636.0 50.0 99.9 312.2 3.5 -3.2 501.2 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 25.0 99-9

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEPF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

24 APRIL 1975 2315 GMT

								• • •					•		-
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT .	KM	DG
0.0	3.7	44.0	1013.5	27.0	14.7	190.0	3.2	0.6	3.2	300.4	328.6	10.5	47.0	0.0	0.
0.4	4.8	102.6	1000.0	26.6	15.2	224.3	6.5	4.5	4.6	301.2	330.8	11.0	49.8	0+2	58.
1.1	6.8	385.6	975.0	24.4	13.3	225.2	5.8	4.1	4.1	301.1	327.9	9.9	49.9	0.4	51.
2.0	9.0	612.5	950.0	22.5	12.7	223.3	6.5	4.5	4.7	301.4	327.9	9.8	53.7	0.7	48.
2.8	10.9	843.9	925.0	20.4	11.7	224.2	5.4	3.8	3.9	301.4	326.8	9.4	57.3	1.0	47.
3.5	13.2	1079.7	900.0	17.9	10.9	222.8	5.8	3.9	4.2	301.2	326.1	9.2	63.6	1.3	46.
4.5	15.4	1320.3	875.0	15.7	16.4	227.0	5.5	4.0	3.6	301.3	326.1	9.1	71.0	1.6	46.
5.3	17.5	1565.9	850.0	13.4	9.1	232.6	5.5	4.4	3.4	301.3	324.8	8.6	75.3	. 1.5	46.
6.2	20.0	1816.6	825.0	11.0	7.7	239.6	5.6	4.9	2.8	301.3	323.2	8.0	60.1	2• l	46.
7-1	22.2	2073.3	800.0	9.0	7.0	237.5	6.4	5.4	3.4	301.8	323.4	7.9	e 7 • 3	2.4	4 9.
7.9	24.6	2336.1	775.0	8.2	-0.5	238•5	6.1	5.2	3. 2	303.3	316.9	4.8	54.6	2.8	50.
8.8	26• <del>9</del>	2607.8	750.0	9.5	-1.9	243.6	6.0	5.4	2.7	307.5	320.6	4.5	45.4	3. 1	51.
9.7	29,5	2888.7	725.0	8.0	-1.5	265.3	6.8	6.7	0.6	308.9	322.7	4.7	50.8	3.4	53 <sub>e</sub>
10.6	32.1	3177.6	700.0	7.0	-12.2	262.9	8.6	8.4	-1.9	310.5	317.1	2.1	24.0	3.7	57.
11.6	34.6	3476.2	675.0	5.7	-7.5	289.9	9.3	8.8	-3.2	312.5	322.2	3.2	37.9	4-1	63.
12.7	37. 3	3784.0	650.0	3.8	-11.1	291.7	9.9	9.2	-3.7	313.6	321.4	2.5	32.5	4,5	69.
13.8	40.1	4101.2	625.0	1.4	-9.4	296.3	10.5	9.4	-4.7	314.4	323.7	3.0	44.6	5 • 1	75.
14.9	42.8	4425.4	600.0	-1.3	-11.5	300.6	11.6	10.0	-5.9	314.9	323.1	2.6	45.8	5e 6	80.
16.0	45.0	4765.9	575.0	-4.3	-7.9	301.1	11.4	9.8	-5.9	315.4	326.6	3.7	76.3	6. 2	85.
17.2	48.6	5115.2	550.0	-6.9	-10.2	302.0	11.1	9.5	-5.9	316.2	326.0	3.2	77.1	6. 8	87.
16.5	51.5	5477.2	525.0	-8.3	-15.8	310.9	10.4	7.9	-6.8	318.6	325.4	2.1	54.5	7• 5	93.
19.7	54. 6	5854.3	500.0	-11-1	-19.3	307.8	11.9	9.4	-7.3	319.7	325.1	1.6	50 <b>.</b> 3	8. 1	96.
21.0	57.7	6246.2	475.0	-14.0	-22.7	307.8	11.6	9.2	-7.1	320.7	325.0	1.3	47.6	9.0	99.
22.4	61.0	6654.4	450.0	-16.9	-22.9	304.8	10.9	9.0	-6.2	322.1	326.6	1.3	59.4		102.
23.9	64.4	7081.0	425.0	-20.3	-25.3	298.4	10.5	9.2	-5.0	323.0	326 <b>·</b> 8	1.1	64.1	10.7	
25.6	67.8	7527.0	400.0	-24.1	-27• 2	300.8	14.0	12.0	-7.2	323.8	327.2	1.0	75.4	11.5	
27.3	71.3	7994.4	375.0	-27.5	-43.0	298.1	17.5	15.4	-8.3	325.2	326.0	0.2	20.9	13.5	
29.0	75•2	8497.5	350.0	-30.8	-62.9	293.0	19.4	17.9	-7.6	327.2	327.2	0.0	2.6	15.3	
8.0E	79.2	9008.2	325.0	-35.5	-59.4	266.2	18.4	17.6	-5.1	327.5	327.6	0.0	6+6	17.4	
32.8	83+2	9558.6	300.0	-41.0	99.9	265.8	17.6	16.9	-4.8	327.5	999.9	99.9	999.9	19.6	
34.6	<b>67.</b> 3	10144.5	275.0	-45.6	99.9	297.0	17.5	15.6	-7-9	329.2	999.9	99.9	999.9	21.4	
36.8	92.0	10772-1	250.0	-50.1	59.9	295.3	20.3	18.4	-6.7	331.6	999.9	99.9	999.9	23. 6	
39. 2	97.0	11453.6	225.0	-55.3	99.9	267.8	17.3	16.4	-5.3	333.7	999.9	99.9	999•9	26.4	
41.7	102.0	12197.6	200-0	-59.3	99 <b>.</b> 9	275.2	21.9	21.8	-2.0	338.€	599.9	99.9	999.9	29.5	
44.5	167.8	13025.6	175.0	-61.1	99.9	278.8	31.6	31.2	-4.8	349.2	999.9	99.9	999.9	33 <sub>•</sub> 5	
48.0	114.0	13990.6	150.0	-59.0	99.9	283.3	25.2	24.5	-5.8	368.4	999.9	99. 9	999.9	39.2	
51.9	121.0	15123.6	125.0	-63.1	99.9	281.2	22.1	21.7	-4.3	380.7	999.9	99.9	999.9	45.0	
56.7	128.7	16479.3	100.0	-68.8	99.9	275.8	9.9	9.9	-1-0	394.9	999.9	99.9	999.9	49.8	
62.4	137.3	18187.0	75.0	-68.5	99.9	298.6	8.5	7.4	-4.1	429.4	999.9	99.9	999.9	54.0	
70.2	146.3	20659.0	50.0	-62.9	99.9	340-5	4.1	1.4	-3.9	495.3	999.9	99.9	999.9	55. 8	
83.0	156.5	25077.9	25.0	-60.9	99.9	26.7	4.1	-1.8	-3.6	638.5	999.9	99.9	999.9	56.8	110.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 220 APALACHICOLA: FLA

### 24 APRIL 1975 2315 GNT

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PRE S TEMP V CCMP TIME CNTCT HE I GHT DEW PT DIR SPEED U COMP POT T E POT T MX RTO RH RANGE AZ MIN **GFM** MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KN ÐG 4.7 11.0 1020.0 22.6 18.8 150.0 2.6 -1.3 2.3 295.9 331.1 13.5 79.0 C. 0 0. 0.0 0.7 183.0 1000.0 20.4 17.3 999.9 .99.9 99.9 55.9 295.3 329.0 12.6 82.4 599.9 959. 6.1 401.9 975.0 19.6 999.9 99.9 99.9 **99.9** 296.3 325.3 11.0 74.1 999. 9 999. 1.3 e. 1 14.8 99.9 2.2 10.2 626.0 950.0 19.4 11.2 999.9 99.9 99.9 298.1 321.9 8.9 59.1 999.9 999. 925.0 18.1 10.1 999.9 99.9 99.9 99.9 298.9 321.7 59.5 599.5 995. 2.8 12.1 854.9 8.4 99.9 3.7 14.3 1089.2 900.0 16.3 9.0 999.9 99.9 99.9 299.3 321.3 8.1 62.3 999.9 999. 1328.5 875.0 14.8 8.7 999.9 99.9 99.9 99.9 300.3 322.4 66.7 999.9 999. 4.5 16.3 8.1 5.4 10.5 1573.5 850.0 13.0 7.6 999.9 99.9 99.9 99.9 300.8 322.0 7.7 69.5 999.9 999. 6.1 2C.7 1824.4 825.0 12.7 -1.4 999.9 99.9 99.9 99.9 302.6 315.0 4.4 39.4 999.9 999. 49.8 999.9 999. 7.0 23.0 2082.8 800%0 12.3 2.2 999.9 99.9 99.9 99.9 305.0 320.9 5.6 999.9 7.9 25.3 2348.5 775.0 10.7 1.3 99.9 99.9 99.9 300.0 321.6 5.5 52.4 999.9 999. 2621.5 5.5 27.6 756.0 -1.3 999.9 99.9 99.9 99.9 307.7 321.2 4.7 46.5 999.9 999. 9.6 9.7 30.1 2902.6 725.0 -10-0 999.9 99.9 99.9 99.9 310.3 317.8 2.5 23.8 999.9 999. 9.6 3193.0 700.0 -13.0 999.9 99.9 99.9 99.9 311.7 318.0 21.1 999.9 979. 10.7 32.7 2.0 8.1 3492.3 999.9 313.0 999.5 999. 11.7 35.3 675.0 -5.5 99.9 99.9 99.9 324.3 3.8 43.2 6.1 -6.7 348.5 -5.1 313.6 324.4 1.2 48. 12.8 37.8 3800.2 650.0 3.7 5.2 1.0 3.6 46.3 -9-1 13.9 40.5 4117.7 625.0 339.7 2.8 -7.6 314.6 324.0 3.1 44.8 1.1 67. 1.6 8.1 342.6 1.2 97. -10.6 10.2 -9.7 315.1 323.9 48.4 14.9 43.1 4445.1 600.0 -1.2 3.0 2.8 344.2 1.7 121. 16.1 46.0 4783.2 575.0 -3.4 -11-2 11.5 3.1 -11.0 316.4 325.1 2.8 54.8 17.3 -5.7 -13.3 342.0 -10.3 317.6 325.4 54.6 2.4 135. 49.0 5133.5 550.0 10.9 3.4 2.5 18.4 -9.0 318.6 326.3 63.3 3.0 141. 51.9 5496.4 525.0 -8.4 -14.1 333.2 10.1 4.5 3.4 -7.0 3.8 141. 19.8 55.0 5873.4 500.0 -10.8 -16.5 315.9 9.8 6.8 320.1 320.8 2.1 62.8 21.2 58. C 6265.7 475.0 -13.8 -18.3 301.7 10.5 8.9 -5.5 321.1 327.2 1.9 68.4 4.6 139. 22.7 61.4 6674.4 -17.2 -22.1 259.9 10.7 9.3 -5.3 321.8 326.5 65.3 5.6 135. 450.0 1.4 24.2 65.0 710C.4 425.0 -20.2 -25.4 301.9 -6.6 323.1 326.9 1.1 62.9 6.5 133. 12.6 10.7 7547.1 327.2 7.9 131. 25.8 68.3 400.0 -23.6 -29.4 301.0 15.2 13.0 -7.8 324.4 0.8 58.2 71.9 302.6 27.5 8015.6 375.0 -26.8 -35.7 17.6 14.8 +9.5 326.1 327.9 0.5 42.5 9.5 130. -31.0 29.1 75.8 8509.3 350.0 -6.7 326.9 328.0 0.3 36.1 11.2 129. -41.1 301.6 16.5 14.1 -45.0 17.8 0.2 31.0 8C. C 9029.2 325.0 -35.8 296.6 20.0 -6.9 327.2 328.0 37.9 13.2 127. 84.2 9582.4 12.8 15.7 126. 33.1 300.0 -38.9 -56.8 311.2 22.3 16.8 -14.7 330.5 330.7 0.1 999.9 99.9 999.9 19.0 128. 35.3 88.4 10174.0 275.0 -42.9 99.9 316.7 -20.6 333.0 28.3 19.4 37.7 999.9 99.9 999.9 23.6 130. 93.4 10839.4 250.0 -48.1 99.9 318.0 31.0 20.8 -23.1 334.5 999.9 99.9 999.9 28.0 131. 40.2 98.A 11494.2 225.0 -54.4 99.9 314.7 29.9 21.3 -21.0 335.1 43. 1 103.8 12236.4 200.0 -60.2 99.9 311.5 29.4 22.0 -19.5 337.5 999.9 99.9 999.9 33.9 131. 46.3 110.0 13064.0 175.0 -63.1 99.9 302.2 25.2 21.3 -13.4 345.9 999.9 99.9 999.9 39.3 131. 50.3 11607 14017-1 150.0 -61.2 99.9 301.6 24.0 20.5 -12.6 364.6 999.9 99.9 999.9 46.5 129. 54.7 124.3 15142.4 289.1 20.6 -7.2 378.4 999.9 99. 9 999.9 51.7 127. 125.0 -64.4 99.9 21.8

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16469.4

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20660.8

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-2.0

393.8

425.3

498.4

637.1

999.9

999.9

999.9

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE: ALA

24 APRIL 1975 2315 GMT

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TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GF4	MB	DG C	· CC C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	6.4	140.0	1000.6	25.9	18.8	210.0	7.2	3.6	6.2	300.9	337.6	13.8	65.0	0.0	0.	
0.0	6.5	145.3	1000.0	25.8	18.8	205.5	7.2	3.1	6.5	300.8	337.5	13.8	65.1	0.0	4.	
0.5	8.6	367.8	975.0	23.3	17.2	169.2	9.8	-1.8	9.7	300.3	334.3	12.8	68.4	0.4	40.	
1.4	11.1	594.3	950.0	21.2	16.4	1.80.6	11.3	0.1	11.3	300.4	333.6	12.5	73.8	0.8	9.	
2.4	13.6	825.3	925.0	19.4	16.1	200.8	11.3	4.0	10.6	300.8	334 • 3	12.6	81.4	1.5	12.	
3.4	15.9	1061-1	900.0	17.07	15.7	214.8	11.3	6.5	9.3	301.4	335.2	12.6	88.6	2.1	16.	
4+3	10.4	1302.0	875.0	15.8	13.9	229.3	12.7	9.7	8.3	301.7	332.6	11.5	86.4	2.7	22.	
5.2	20.8	1548.3	850.0	14.7	11.0	243.0	14.3	12.7	· 6.5	302.9	329.5	9.8	78.4	3.4	30.	
6+3	23.4	1800.6	825.0	12.9	8.4	252.7	12.1	11.6	3.6	303.4	326• <b>6</b>	8.4	74.1	4.1	37.	
7.3	25.9	2058.9	800.0	11.6	6.7	266.6	11.6	11.6	0.7	304.6	326.1	7.7	71.7	4.6	43.	
B. 4	28.7	2324.2	775.0	10.3	2.5	279.8	13.7	13.5	-2.3	305.7	322.6	6.0	58.5	5. 1	50.	
9.5	21.4	2596.6	750.0	8.8	-0.8	281.1	14.5	14.2	-2.8	306.8	320.7	4.8	50.9	5. 9	5 A.	
10.7	34.0	2876.5	725.0	7.3	-4.0	272.1	12.4	12.3	-0.5	308.0	319.5	3.9	44.2	6. 6	63.	
11.7	36.6	3165.8	700.0	8.2	-17.2	263.2	14.2	14.1	1.7	311.7	316.2	1.4	14.6	7.3	66.	
12, 8	39.5	3465.2	675.0	7 o 1	-13.9	265.6	16.6	16.5	1.3	313.0	319.8	1.9	20.€	8.4	68.	
14.0	42.2	3774.2	650.0	4.9	-15.7	270.4	15.6	15.6	-0-1	314.7	320.1	1.7	20.8	9.4	70.	
15.0	45.1	4092.3	625.0	. 2.2	-18.1	277.8	15.2	15.0	-2.0	315.2	319.9	1.5	20.4	10.3	72.	
16.3	48.3	4420.6	600.0	-0.1	-24.6	288.5	15.5	14.7	-4.9	316.1	319.0	0.9	13.6	11.3	75.	
17.6	51.3	4759.4	575.0	-3.1	-25.3	298.7	16.0⊜	14.9	-2.1	316.5	319.3	0.8	15.9	12.3	79.	
19.1	E4. 4	5109.2	550.0	-6.4	-26.6	302.3	17.8	15-1	-9.5	316.5	319.2	0.8	18.2	13.5	83.	
20.5	57.5	5471 <sub>e</sub> 1	525.0	-9-1	-28•1	292.6	19.1	17.6	÷7, 3	317.6	320.0	0.7	19.9	14.8	87.	
21 • 9	. €0•9	5846,2	500.0	-12.5	-20.9	285.2	22.1	21.3	-5.8	318.0	322.6	1.4	49.3	16.4	89.	
23.3	64.3	6235.8	475.0	-15.0	-40.2	284.0	21.7	21.1	-5.2	319.4	320.3	0.2	9. 7	18. 3	91.	
24 • 8	67.6	6642+6	450.0	-17.7	-46.2	268-1	20.5	19.5	-6.4	321.0	321.5	0 • 1	6• i	20.1	92.	
26.3	71.0	7067.7	425.0	-20.3	-47.9	285.9	18.6	17.9	-5.1	322.9	323.3	0.1	6.4	21.7	93.	
28.0	74.9	7514.2	400.0	-23.5	··49.9	286.0	17.4	16.7	-4.8	324.4	324.8	0.1	6.7	23. 5	94.	
29.9	78.€	7982.3	375.0	-27.7	-52.6	281.5	21.3	20.8	-4.2	324.9	325.2	0.1	7.2	25.6	95.	
31.9	62.5	E475.0	350.0	-31.4	-55.1	280.4	19.1	18.8.	-3.5	326.4	326.6	0-1	7.5	28. 1	96.	
34.2	86.6	8995.5	325.0	-35.3	-57.8	282.6	22.5	21.9	-4.9	327.9	328.1	0.0	7. 9	30. 9	96.	
36.3	91.3	9547.7	300.0	-40.0	-61.0	286.3	24.8	23.8	-6.9	328.9	329.0	0.0	8 • 4	33.9	97.	
38.6	95.6	10136.4	275.0	-44.6	99.9	286.3	24.2	23.2	-6.8	330.6	999.9	99.9	999.9	37.2	98•	
41.2	100.3	10767.5	250.0	-49.5	99.9	285.2	22.3	21.5	-5.8	332.5	999.9	99.9	999.9	41-1	99.	
43.9	105.6	11449.8	225.0	-54.6	99.9	290.0.	29.6	27.8	-10-1	334.9	999.9	99.9	999.9	44.9	99.	
47.0	111.0	12194.6	200.0	-59.7	99.9	267.0	35.0	33.5	-10,2	336.3	999.9	99. 9	999.9	50. B		
50 • 3	117.0	13022.2	175.0	-63.1	99.9	278.8	28.1	27.8	-4.3	345.9	999.9	99.9	999•9	57. 1		
54.3	124.0	13976.6	150.0	-60.7	99.9	285.7	31.5	30.3	-8.5	365.5	999.9	99.9	999.9		100.	
58.7	121.0	15105-0	125.0	-64.4	99.9	279.7	26.6	26.2	-4.5	378.4	999.9	99.9	999.9	71.7		
64.0	139.0	16457.3	100.0	-67.3	99.9	270.0	17.9	17.9	-0.0	397.7	599.9	99.9	999.9	79. 7		
71.0	147.3	18183-5	75.0	-66.3	99.9	285.0	14.3	13.8	-3.7	433.9	999.9	99.9	999.9	87.7	99.	
60.6	156.5	20663.4	50.0	-61.0	99•9	332•4	4.1	1.9	-3.6	499.8	999.9	99.9	999.9	90. 3		
96.6	166.3	25067-1	25.0	-53-0	99.9	345.0	6.4	1.7	-6, 2	632.8	999.9	99.9	999.9	91.6	102.	

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG + EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED ++ BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232 BOOTHVILLE. LA

24	APRIL	1975
	2315 GMT	

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18.

PEIGHT PRES TEMP DEW PT SPEED U COMP V CEMP POT T E POT T MX RTO BH RANGE AZ TIME CNTCT DIR PCT GFM DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG KM ĎG MIN MB 87.0 1017.9 297.8 340.3 16.3 0.0 0. 0.0 4.8 1.0 24.0 21.7 150.0 3.6 -1.8 3. 1 344.5 6.7 17.5 94.4 0.2 323. 0.5 6.3 157.0 1000.0 23.5 22.5 170-1 6.8 -1.2 299.0 298.9 341.6 97.6 0.5 340. 975.0 21.0 177.3 16.3 1.2 8.8 378.3 21.4 8.3 -0.4 6.5 299.7 340.5 97.6 0.8 348. 1.9 11.1 604.0 950.0 20.1 19.8 182.8 8.1 0.4 8.0 15.5 201.1 341.1 98.1 1.1 354. 2.5 13.7 834.9 925.0 19.3 19.0 7.3 2.6 6.8 301.0 15. I 97.9 3.2 16.0 1070.7 900.0 16.8 16.5 203.2 7.7 3-0 7.1 300.6 336.0 13.3 1.4 1. 1310.4 9.7 201c4 2.2 5.6 300.6 324.2 8.7 76.9 1.7 5. 4.0 18.6 875.0 15.0 6.0 324.6 1557.1 7.1 184.0 303.8 7.5 55.8 2.0 7. 5.0 20.9 850.0 15.9 6.4 0.5 6.4 -3.8 177.9 305.0 315.2 3.5 27.0 2.3 5.6 23.7 1810-2 825.0 15.0 6.6 -0.2 6.6 6. -0.4 325.7 58.1 2.6 2065.9 800.0 5.2 176.4 6.5 306.2 7.0 5. 6.5 26. 1 13.2 6.5 -7.8 306.7 314.9 24.7 3.0 4. 2336.3 775.0 171.1 -1.0 2.7 7.4 28.9 11.7 6.7 6.6 31.8 2605.6 750.0 -7.1 -1.7 307.9 316.8 3.0 29.3 3.3 2. 10.0 166.2 7.2 6.9 8.4 725.0 310.5 314.3 3.8 0. 9.3 2890.9 -19.0 167.3 6.8 -1.5 1.2 11.3 34.6 9.9 6.6 3181.7 700.0 -44.2 161.3 -1.3 312.8 313.2 0.1 . 1.0 4.1 359. 10.3 37. 2 9.3 4.0 3.8 317.1 4.2 358. 3481.9 -24.1 -0.8 314.4 0.8 8.3 11.2 40, 1 675.0 7.7 156.9 1.9 1.8 -24.7 178.8 -0.0 315.6 318.2 9.0 4.3 356. 12.3 42.9 3791.6 650.0 5.8 1.5 1.5 0.8 319.7 4.4 358. 13.3 46.1 4110.5 625.0 2.8 -20.4 182.3 2.3 0.1 2.3 315.8 1.2 16.1 4439.0 -15.9 182.6 0.1 2.9 316.3 322.2 1.8 29.1 4.6 358. 14.3 45.2 600.0 -0.0 2.9 4.8 359. 15.3 4778.3 575.0 -2.6 -13.0 212.2 2.2 3.5 317.3 324.9 2.4 44.4 52.1 4.1 -15.0 318.2 325.0 2.2 45.7 5.0 2. 16.6 55.4 5129.5 550.0 -5.2 226.5 6.1 4.4 4.2 325.7 46.8 5492.5 525.0 -7.6 -16.9 237.0 7.9 6.6 4.3 319.6 1.9 5. 4 6. 17.8 58.7 -28.5 323.9 19.5 5.7 9.9 0.7 321.4 0.7 12. 19.0 62.1 5671.8 500.0 -9.6 266.2 9.9 -11.9 -38.6 276.2 323.2 324.2 0.3 8.8 5. 9 21. 6266.6 475.0 12.2 12.2 -1.3 20.5 65.6 323.5 324.3 7.8 6.3 30. 6677.3 -42.5 272.2 12.7 -0.5 0.2 21.9 69.1 450.0 -15.6 12.8 23.4 7106.5 -39.0 279.6 15.6 -2.6 325.2 326.3 0.3 14.5 6.9 40. 72.7 425.0 -18.5 15.8 326.8 328.1 0.3 20.4 7.9 50. 24.9 76.7 7556.0 400.0 -21.6 -38.3 274.9 19.4 19.3 -1.7 -25.6 275.2 -1.7 8027.8 375.0 -46-6 18.4 18.4 327.6 328.2 0.1 11.8 9.3 58. 26.5 80.5 28. 1 -48.9 329.5 330.0 0.1 12.8 10.6 63. 24.7 8524.8 350.0 -29.0 279.1 16.6 16.4 -2.6 29.9 E 2. 5 9050.3 325.0 -32. B -44.7 295.0 23.2 21.0 -9.8 331.3 332.1 0.2 29.1 12.1 70. 31.9 93.4 9609.3 300.0 -36.8 -51.5 296.1 28.1 25.2 -12.3 333.4 333.8 0.1 19.9 14.5 79. 34.0 98.2 10204.9 275.0 -41.9 99.9 295.1 29.5 26.7 -12.5 334.5 999.9 99.9 999.9 17.6 86. 103.2 10842.6 30.3 -13.4 335.5 999.9 99.9 999.9 21.3 9ž. 36.3 250.0 -47.5 99.9 293.8 33.1 11530.5 225.0 -53.1 99.9 286.8 33.3 -10.0 337.2 999.09 99.9 999.9 25. 5 95. 38.5 108-6 34.6 99.9 999.9 99.9 999.9 31.1 97. 41.1 114.0 12279.9 200.0 -58.7 267.1 35.4 33.8 -10.4 339.8 120.3 13108.2 99.9 300.7 37-6 32.3 -19.2 344.3 999.9 99.9 999.9 38.1 100. 44.2 175.0 -64.0 269.2 999.9 99.9 999.9 43.4 102. 47.3 127.0 14048.6 150.0 -65.9 99.9 31.5 31.5 0.5 356.6 51.6 134.7 15162.6 268.0 23.8 23.7 0.8 376.2 999.9 99.9 995.9 50. 8 101. 125.0 -65.6 59.9 141.7 999.9 99.9 999.9 57.4 100. 56.3 16508.4 100.0 -68.4 99.9 273.9 12.9 12.9 -0.9 395.6 999.9 99.9 999.9 62.6 99. 62.4 145.7 18216.0 75.0 99.9 297.9 12.6 11.1 -5.9 428.1 -69.1 -3.7 503.4 999.9 99.9 999.9 64.0 100. 70.5 158.0 20692.4 50.0 -59.4 99.9 23.8 9.1 -8.4 -3.9 641.6 999.9 99.9 999.9 63.8 104. 83.4 166.7 25132-1 25.0 -49.9 99.9 40.7 6.0 -4.5

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235 JACKSON, MISS

24	APRIL	1975
	2116 CHT	

							24	APRIL 2315 G	1975 ut					1	60 15.	. 0	
	TIME	CNTCT	FEIGHT GPM	PRES	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP	V CCMP M/SEC	POT T	E POT T DG K	MX RTO GM/KG	RH PCT	RANGE	AZ DG	
	-1 IA		GP#	M-0	20 C	<i>D</i> 0 C	DG	MYSEC	M/ SEC	M/ SE C	0 G K	00 K	GH/ KG	PCI	~~	00	
	0.0	5.0	100.0	1004.0	27.4	18.9	190.0	5.7	1.0	5.6	302.1	339.2	13.9	60.0	0.0	0.	
	0.1	5.3	135.6	1000.0	27.2	19.3	101.2	6.4	0.1	6.4	302.3	340.4	14.3	62.3	0.1	3.	
	0.9	7.4	359.5	975.0	25.4	17.2	175.0	8.7	-0.8	8 • 6	302.4	336.9	12.6	60.8	0.6	4.	
	1.7	9.8	587.6	950.0	23.5	17.0	191.3	8.9	1.8	8.8	302.8	337.7	13.0	67.3	1.0	3.	
	2.5	11.9	820.6	925+0	22.0	17.0	192.3	6.6	1.4	6.4	303.6	339.4	13.3	73.3	1.4	6.	
	3.4	14.4	105E.3	900.0	19.4	17.2	193.0	6.5	1.5	6.3	303.4	340.7	13.9	87.2	1.7	7.	
	4.5	16.5	1300.8	875.0	17.2	16.2	197.8	7.4	2.3	7.0	303.4	339 • 4	13.4	93.7	2.1	9.	
	5.3	19.2	1548.2	850.0	15.0	13.9	210.2	9.4	4+7	8.1	303.4	335.6	11.9	93.6	2.5	11.	
	6.1	21.5	1801-1	825.0	13.3	12.1	221.3	11.6	7.7	8.8	304.1	333.7	10.9	92.6	3.0	16.	
	7.0	24.1	2059.9	800.0	11.4	10.0	223.3	12.0	8 • 2	8.7	304.6	331.3	9.7	91.4	3. 6	20.	
	7.8	26.5	2325.4	775.0	10.1	8.0	229.7	12.4	9.4	e.0	305.9	330.2	8.8	86.8	4.2	24.	
	8.6	29.1	2597.8	750.0	7.9	5.8	236.1	11.7	9.7	6.5	306.1	327.9	7.8	86.9	4.7	27.	
	9.4	31.9	2878.2	725.0	9.8	-10.7	241.2	10.3	9.0	4.9	310.5	317.8	2.4	22.6	5 · 1	30·	
	10.5	34.7	3168.6	700.0	7.9	-11.0	239.6	10.9	9.4	5.5	311.5	318.7	2. 3	24.8	5.6	34.	
	11.6	37.2	3468.0	675.0	6.9	-1.5	236.2	14.4	12.0	<b>8.0</b>	314.0	329.0	5.1	55.1	6.5	37.	
•	12.7	40-1	3777.4	650.0	5.0	-3.4	243.4	16.1	14.4	7. 2	315.2	328.9	4.6	54.8	7.5	40.	
	14.1	42.8	4096.3	625.0	2.5	-6.1	248.6	17.7	16.5	6.4	315.8	327.6	3.9	53.2	6. 7	44.	
	15.4	45.9	4424+6	600.0	-0.5	-10.2	249.8	19.0	17.9	6.6	315.9	325.0	3.0	48.0	10.1	48.	
	16.8	48.9	4763.4	575.0	-3.3	-12.3	254+3	18.4	17.7	5.0	316.4	324.5	2.6	49.9	11.6	51.	
	18.3	51.8	5113.5	550.0	-6.2	-14.8	258.3	15.5	15.2	3.1	316.9	323.9	2.2	50.8	12.9	54.	
	19.7	55.0	5475.6	525.0	-8.9	-16.0	264.6	16.9	16.8	1.6	318.0	324.6	2.1	56.2	14.0	56.	
	21.0	58. 3	5852-1	500.0	-11.5	-16.4	267.8	21.1	21.1	0.8	319.3	326.0	2.1	66.7	15.4	59.	
	22.4	61.4	6243.5	475.0	-13.5	-40.8	267.2	19.7	19.7	1.0	321.2	322.1	0.2	7.9	16.9	62.	
	23.8	65.0	6652.2	450.0	-16.8	-42.0	264.0	20.0	19.9	2.1	322.1	322.8	0.2	9.1	18.4	64.	
	25.4	68.4	7079.2	425.0	-19.8	-44.0	261.2	20.5	20.3	3.1	323.6	324.3	0 • 2	9.4	20.2	06.	
	26.9	71.4	7526.7	400.0	-22.6	-46.0	263.8	21.7	21.5	2.4	325.6	326.1	0.1	9.7	22•2	67.	
	28.7	75•3	7997.0	375.0	-26.2	-48.6	272.1	21.3	21.3	-0.8	326.€	327.3	0.1	10.0	24.3	69.	
	30.6	79.3	8491.9	350.0	-30.2	-51.4	275-1	23.2	23.2	-2.1	328.0	328.4	0.1	10.4	26.6	71.	
	32.5	E3+3	9014.6	325.0	-34.4	-54.5	280.9	23.4	23.0	-4.4	329.2	329.5	0.1	10.8	25.9	74.	
	34.4	87.5	9568.9	300.0	-39.2	-58.1	283.5	23.2	22.5	-5.4	330.1	330.3	0.0	11.3	31.4	70.	
	36.4	52.0	10159.7	275.0	-43.0	99.9	285.5	30.4	29.3	-8.1	333.0	999.9	99.9	999.9	34.0	78.	
	38.8	96.8	10795.5	250.0	-47.8	99.9	287-1	36.3	34.6	-10-7	335.0	999.9	99.9	999.9	37.9	82.	
	41.5	101.8	11482-1	225.0	-53.7	99.9	283.7	38.6	37.5	-9.1	336.3	999 <b>.9</b>	99• 9 <sub>.</sub>	999.9	43.9	85.	
	44.3	107.3	12229.5	200.0	-59.3	99.9	283.1	40.1	39.0	-9.1	338.9	999.9	99.9	999.9	50.4	69.	
	47.2	113.0	13054.3	175.0	-64.9	99.9	285.8	40.0	38.4	-10.9	342.9	999.9	99.9	999.9	57.3	90.	
	50.5	119.5	13998.7	150.0	-63.1	99.9	270.1	34.9	34.9	-0.1	361.4	999•9	99.9	999.9	63.3	90.	
	54.7	126.3	15123.2	125.0	-63-1	99.9	268-5	28.0	28.0	0.7	380.7	999.9	99.9	999.9	70.7	90.	
	59.8	134.3	16481.9	100.0	-66.2	99.9	273.5	20.4	20.4	-1.2	39909	999.9	99.9	999.9	79.3	90.	
	65.5	142.0	18212.2	75.0	-68.9	99.9	268.6	17.7	17.7	0.4	428.5	999.9'	99.9	999.9	83.8	91.	
	73.6	150-7	20711.8	50.0	-60.5	99.9	286.0	1.7	1.6	-0.5	501.1	999.9	99.• 9	999•9	86.4	91.	
	86.3	160-0	25136-9	25.0	-50-3	99.9	347.6	7-1	1.5	-6.9	640.0	999.9	99.9	999.9	87.4	94.	

<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

24 APRIL 1975 2315 GMT

161 13. 0

		The second second														
TIME	CNTCT	HEIGHT	PRES	TEMP	CEN PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	PH	RANGE	AZ	
MIN	e in the	GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.	C 3.4	5.0	1014.4	25.0	21.7	150.0	6.7	-3.4	5.8	299.2	342.0	16.4	82.0	0.0	0.	
0.			1000.0	24.4	21.6	206.8	10.5	4.7	9.3	299.8	343.0	16.5	84.3	0.4		
1.		352.9	975.0	21.8	19.8	186.3	9.5	1.1	9.5	299.1	338.9	15.1	88.3	0.8		
ž,			950.0	19.6	18.6	181.0	11.2	0.2	11.2	299.0	337.0	14.4	94.0	1.3	357.	
3.			925.0	18.4	16.9	196.0	12.2	3.4	11.8	259.9	335.1	13.3	91.1	1.9	0.	
3.			900.0	18-1	14.8	206.1	10.2	4.5	9.1	301.7	333.7	11.9	81.5	2.5	5.	
4.			875.0	18.0	10.2	197.7	11.6	3.5	11.1	303.7	328.4	9.0	60.5	3. 0	9.	
5.		1532.9	850.0	16.7	8.3	192.2	13.3	2.8	13.0	394.8	327.4	8.2	57.6	3. 8	10.	
. 6		1787.8	825.0	14.8	7.7	189.9	10.7	1.8	10.6	305.4	327.8	8.1	62.4	4.5	1 C.	
7.			800.0	13.0	6.5	198.0	9.8	3.0	9.4	306.0	327.3	7.6	64.6	5. 1	10.	
8		2313.9	775.0	11-0	3.7	199.9	11.3	3.8	10.6	306.5	324.9	6.5	60.6	5. 7	12.	
9			750.0	11.4	-4.9	194.8	13.4	3.4	12.9	309.4	320.4	3.7	33.8	16.4	12.	
11.	0 27.8	2871.2	725.0	12.2	-12.3	194.5	14.3	3.6	13.9	313.1	319.4	2+0	16.7	7.4	12.	
12.			700.0	10.1	-11.2	193.2	13.8	3 • 1	13.4	313.9	321.1	2.3	21.0	8e 3	13.	
13.	3 32.8	3464.9	675.0	7.7	-10.9	192.9	14.2	3.2	13.8	314.6	322.2	2.5	25.2	9. 3	13.	
14.		3775.0	650.0	5.7	-11.0	195.0	13.3	3.5	12.8	315∙€	323.6	2.5	28.7	10.2	13.	
15	6 37.9	4094.3	625.0	3.4	-15.3	204.6	10.5	4.4	9.5	316.5	322.4	1.9	24.0	11.2	13.	
160	9 40-5	4424.7	600.0	1.9	-12.6	220.3	8.8	5.7	6.7	318.6	326.2	2.4	33.2	11.8	14.	
18	1 43.1	4766.4	575.0	-0.9	-13.4	230.9	7.9	6.1	5.0	319.3	326.7	2.4	37.9	12.4	16.	
19	4 46.0	5119.1	550.0	-4.2	-12.8	239.4	7 4	6.3	3.7	319.5	327.6	2.6	50.7	12.8	17.	
20	8 49.0	5483.9	525.0	-7.6	-14.0	245.8	8.5	7.8	3. 5	319.5	327.3	2.5	60.2	13.3	20.	
22.	1 51.9	5861.5	500.0	-11.2	-18.0	260.3	8.9	8.8	1.5	319.5	325.5	1.9	57.3	13.6	22.	
23	5 55.0	6253.3	475.0	-13.5	-25.9	252.7	12.6	12.0	3.8	321.3	324.5	1.0	34.2	14.2	25.	
25.	0 58.0	6661.7	450.0	-16.9	-28.2	263.1	16.1	16.0	1.9	322.1	324.9	0.8	36.4	15.0	29.	
26,	5 61.4	7088.3	425.0	-20.2	-32.2	264.8	18.8	18.7	. 1.7	323.1	325.2	0.6	33.1	16.0	33,	
28,	2 65.0	7534.8	400c0	-23.0	-34.9	259.9	23.8	23.4	4.2	325.0	326.8	0.5	33.0	17.4	39.	
29	8 68.3	8004.9	375.0	-26.2	-46.1	266.4	23.9	23.9	1.5	326.9	327.5	0.2	13.3	19.2	43.	
31.	6 72.0	8500 <b>•</b> 0	350.0	-29.7	-41.5	269.8	21.9	21.9	0.1	328.6	329.6	0.3	30.7	21.0	48.	
33	6 76.0	9024.9	325.0	-33.2	-38.8	260.8	27.8	27.4	-5.2	330.9	332.4	0.4	56.5	23.0	54.	
35	7 60.1	9582.8	300.0	-37.5	-44.2	277.2	32.8	32.5	-4.1	332.4	333.3	0.2	49.5	26.0	60.	
38	0 84.4	10178.5	275.0	-41.5	59.9	273.7	33.6	33.6	-2.2	335.2	999.9	99.9	999•9	29.8	65.	
40.	3 88.8	10816.9	250.0	-47.2	99.9	275.3	34.0	33, 9	-3, 1	335.9	999.9	99.9	999.9	33.8	69.	
43,	0 94.0	11504.9	225.0	-52.9	99.9	270.8	34.5	34.5	-0.5	337.5	999.9	99.9	33 <b>3 •</b> 8	39. 1	72.	
45			200.0	-58.7	99.9	279.8	40.5	39.9	-6.9	339.8	999.9	99.9	999.9	44.8	75.	
49	0 105.0	13082.9	175.0	-63.8	99.9	281.7	45.2	44.2	-9, 2	344.7	999.9	99•9	999.9	52.3	79.	
52.	5 111.7	14017.0	150.0	-c5.6	99.9	271.9	36.7	36.7	-1.2	357.2	999.9	99. 9	999.9	60 <sub>0</sub> 3	82.	
56		15143.3	125.0	-61.9	99.9	261.1	14.8	14.6	2. 3	382.	999.9	99.9	999.9	67-1	63.	
62		16455.7	100.0	-70.4	99.9	264.5	19.5	19.4	1.9	391.7	999.9	99.9	999.9	73.1	83.	
68.			75.0	-68.9	99.9	277.5	20.3	20.1	-2.6	428.4	999.9	99.9	999.9	79.6	84.	
77			50.0	-59.8	99.9	2. 1	3.9	-0.1	-3.9	502.5	999.9	99. 9	999.9	82.6	85.	
92,	2 156.0	25129.9	25.0	-52.3	99.9	330.4	7.09	3.9	-6.9	634.4	999.9	99.9	999-9	81.7	87.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 248 SHREVEPORT. LA

24 APRIL 1975

W- 4 TP	4713				
2323 GM1	7		164	27.	9

TIME	CNTCT	HEIGHT GPM	PRES MB	TEMP DG C	DEW PT	D IR DG	SPEED M/SEC	U COMP	V CCHP	PCT T	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG
MIN		GP m	. #0	טט כ	<i>D</i> <b>G</b> C	00	W/ SEC	47 3EC	M/SEC	DG K	0 <b>0</b> K	GHANG		N17	-
0.0	4.4	79.0	1002.4	28.3	18.4	180.0	7.2	0.0	7 • 2	303.1	339.2	13.4	55.0	0.0	0.
0.1	4.6	100-4	1000.0	28.1	18.5	179.8	7.9	-0.0	7.9	303.1	339.6	13.6	55.9	G. 1	0.
1.0	6.4	325.0	975.0	26.4	17.5	180.2	10.4	0.0	10.4	303.5	335.6	13.0	58.1	0.6	0.
1.7	8.5	553.9	950.0	24.4	16.7	182.5	11.9	0.5	11.9	303.7	338.2	12.8	62.3	10.1	0.
2.6	10.6	787.3	925.0	22.2	15.9	188.4	13.6	2.0	13.5	303.7	337.2	12.4	67.6	1.9	2.
3.6	12.6	1025.2	900.0	20.0	15.4	192.0	12.3	2.7	12.0	303.8	337.3	12.4	75.1	2.6	5.
4.6	14.9	1267.7	875.0	17.7	14.5	198.0	13.4	4.1	12.7	303.€	336.4	12.0	81.8	3.3	7.
5.6	16.9	1515.5	850.0	15.6	13.6	200.9	13.3	4.8	12.5	304.1	335.6	11.6	87.4	4.0	9.
6.5	19.3	1768.8	825,0	13.6	11.5	206.0	15.0	6.6	13.5	304.4	333.5	10.7	89.2	4.8	12.
7.6	21.4	SCS8.0	800.0	11.7	10.3	212.8	15.0	8.1	12.6	304.9	332.2	9. 9	91.1	′ <b>5.</b> 8	15.
8.9	23.8	2293.8	775.0	12.6	-4.4	221.4	18.0	11.9	13.5	307.9	319.2	3.9	34.3	6.9	19.
9.8	26. L	2569.4	750.0	13.5	-17.0	224.5	17.3	12.1	12. 3	311.4	315.7	1.3	10.4	7.9	22.
11.0	28.6	2853.6	725.0	12.3	-19.3	218.5	17.7	11.0	13.9	313.1	316.8	1.1	9.2	9.0	25.
12.0	31.2	3146.8	700.0	11.2	-14.7	215.2	17.5	10-1	14.3	315.1	320.6	1.7	14.7	10.1	26.
13.0	33.9	3448.7	675.0	8.8	-18.1	210.6	15.2	7.7	13.1	315.7	320.1	1.4	12.9	11.1	27.
14.2	36.3	3759.7	650.0	6.8	-17.3	213.0	13.0	7 - 1	10.9	316.9	321.7	1.5	15.9	12.1	27.
15.6	39.2	4080.0	625.0	4.0	-19.1	222.7	12.6	8.6	9. 3	317.1	321.5	1.3	16.6	13.1	28.
16.9	41.8	4410.0	600.C	1.0	-20.1	236.4	12.5	10.4	6.9	317.4	321.6	1.3	18.8	14.1	29.
18.3	44.8	4750.2	575.0	-1.9	-17.3	255•4	14.2	13.8	3.6	317.9	323.4	1.7	29.6	14.9	32.
19.7	47.8	5101.5	550.0	-5.2	-19.1	260.3	16.3	16.1	2.8	318.1	323.0	1.5	32.5	15.8	35.
21.1	50.7	5464.4	525.0	-9.1	-19.8	262.1	16.8	16.6	2.3	317.7	322.5	1.5	41.1	16.8	39.
22.3	53-6	5839.6	500.0	-12.6	-20.4	260.6	17.9	17.7	2.9	317.9	322 • 8	1.5	51.9	17.9	41.
23.6	56.5	6229.0	475.0	-16.1	-20.6	264.2	16.9	16.8	1.7	318.2	323.3	1.6	67.9	18.8	44.
25. 2	59. 9	6633-1	450.0	-20.0	-25.6	262.9	17.3	17.2	2.1	318.1	321.6	1.1	61.0	20.1	47.
26.9	63.4	7057.2	425.0	-21.1	-46.2	259.3	19.2	18.9	3.6	321.9	322.4	0.1	8.4	21.6	50.
28. 6	66. 9	7502.0	400.0	-24-1	-49.7	261.0	21.4	21.2	3.4	323.6	324.0	0.1	7.3	23.6	52.
30.4	70.5	7969.5	375.0	-27.7	-51.9	262.6	23.9	23.7	3.0	324.6	325.2	0.1	7.8	25.5	55.
32.3	74.3	8461.2	350.0	-31.7	-54.6	27006	22.2	22.2	-0.2	325.9	326.1	0.1	8.3	27 · A	58.
34.3	78-5	8980.0	325.0	-36.4	-50.6	265.3	23.9	23.8	2.0	326.4	326.8	0.1	21.3	30.4	60.
36.3	22.7	9531.2	300.0	-39-1	-45.1	268•7	32.3	32.3	0.7	330.2	331.0	0.2	52.5 999.9	33•1 37•2	63. 66.
38.4	86-8	10122.7	275.0	-43.3	99.9	268.0	36.0	35.9	1.3	332.5	999.9	99.9	999.9		
40.8	91.8	10756.9	250.0	-48.4	99.9	266-8	40.5	40.4	2.2	334.1 335.3	999 <b>•9</b> 999 <b>•</b> 9	99. 9 99. 9	999.9	42.5 48.6	69. 71.
43.5	96•3	11441.6	225.0	-54.3	99.9	268.9	38.8	-	0.7	337.2	999.9	99.9	999.9	55.2	74.
46.2	102.4	12186.5	200.0	-60.3	99.9	275•4 281•4	41+3 49+8	41.1 48.9	-3.9 -9.8	342.7	999•9	99.9	999.9	64.4	77.
49.3	108.8	13008.3	175.0 150.0	-65.0 -61.0	99.9	263.7	40.2	40.0	4.4	365.0	999.9	99.9	999.9	71.3	79.00
53.1	115.7		125.0		99.9	275.7	24.5	24.4	-2.4	383.1	999.9	99.9	999.9	78.9	80.
57.5 62.4	123.7	15089.3	100.0	-61.8 -67.9	99.9	262.7	25.7	24.9	3.2	396.6	999.9	99.9	999.9	85.8	80.
68.8	143.0	18164.5	75.0	-69-0	59.9	270.8	14.9	/ 14.8	-0.2	428.2	999.9	99.9	999.9	94.5	81.
77.6	155.0	20664.2	50.0	-60.5	99.9	288.4	14.9	14.1	-4.7	500.2	999.9	99.9	999.9	96.4	82.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.5	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
770 9	220 2	2202	23.0	7707	7707	3344	7707	7707	7767	7747	77767	7707	*****	,,,,,,	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 255 VICTORIA. TEX

24 APRIL 1975 2315 GMT

TIME	CATCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	. A Z	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.7	4.3	33.0	1006.8	28.0	21.3	180.0	11.8	0.0	11.8	302.8	345.6	16.1	67.0	0.0	6.	
0.2	4.5	93.3	1000.0	. 27.1	21.1	999.9	99.9	99.9	99.9	302.5	345 - 1	16.0	69.8	999. 9		
0.8	6.5	317.4	975.0	25.2	20.7	999.9	99.9	99.9	99.9	302.7	345.4	16.0	76.5	999.9	999.	
1.5	6.5	545.9	950.0	23.2	20.8	999.9	99.9	99.9	99.9	303.0	347.0	16.6	86.5	999. 9		
2.2	10.5	778.8	925.0	20.9	19.7	154.9	12.5	-5.3	11.3	302.8	344.9	15.8	92.7		341.	
2.8	12.4	1015.5	900.0	18.9	7.9	169.6	13.3	-2.4	13.1	302.0	323.3	7.8	51.5		341.	
3.6	14.5	1256.0	875.0	19.5	5.1	180.5	15.8	0.1	15.8	304.9	322.7	6 g 3	38.6		345.	
4.3	16.4	1506.7	850.0	18.3	-5.7	184.4	17.4	1.3	17.3	305.9	316.6	3.7	24.0		348.	
. 5.2	18.5	1762.1	825.0	19.2	-38.2	189.4	17.0	2.8	16.8	308.5	309.5	0.2	1.0	4.4		
6.1	20.6	2025.9	800.0	19.3	-38-1	187.9	18-1	2.5	17.9	311.8	312.4	0.2	1.0		355.	
7.1	22.3	2297.2	775.0	17.8	-33.2	185.4	15.8	1.5	15.7	313.0	314.0	0.3	1.9	-	357.	
8,1	25.2	2576.1	750.0	16.6	-39.7	184+8	24.9	1.2	14.8	314.7	315.2	0.2	1.0	7.2	-	
9.0	27.4	2862.9	725.0	14.3	-40.0	168.8	13.2	2.0	13.0	315.1	315.7	0.2	1.1	7.9		
9.8	29.8	3157.5	700.0	13.2	-41.8	202-1	11.0	4.2	10.2	317.2	317.7	0.1	1.0	8. 5		
10.7	32.3	3461.9	675.0	11.8	-41.3	222.0	10.1	. 6.8	7. 5	318.8	319.4	0.2	1.2	9.0		
11.8	34.9	3775.8	650.0	9.7	-18.8	235.3	9•5	7•8	5.4	320.1	324.5	1.4	11.8	9. 4		
12.8	37.2	4099-6	625.0	6.8	-13.7	241.4	7.8	6.8	3. 7	320.5	327.3	2. 1	21.4	9.8		
14.1	40.0	4432.6	600.0	3, 3	-15.2	241.7	6.6	5.9	3 • 1	320.2	326.4	1.9	24.1	10.1	10.	
15.4	42.5	4775.9	575.0	0.4	-19.9	248.2	7.2	6.7	2.7	320.6	325.1	1.4	19.9	10.4	1.2.	
16.6	45.4	5130.2	550.0	-2.7	-18.5	260.0	9.6	9.4	1.7	321.0	326.3	1.6	28.6	10.7		
17.7	48.4	5496.8	525.0	-5.7	-28.2	274.4	10.6	10.5	-0.8	321.7	325.1	1.0	20.8	10.9		
19-1	51 • 3	5876.8	500.0	-8.6	-34.8	274.2	10.9	10.9	-0.8	322.5	323.9	0.4	10.1	11.1	23.	
20.4	54.4	6272.3	475.0	-11.5	-31.9	274.0	14.5	14.4	-1.0	323.8	325.7	0.6	16.5	11.5		
21.8	57.4	6684+8	450.0	-14.2	-33.0	268.8	17.9	17.9	0.4	325.3	327.2	0.5	18.5	12.1		
23.2	€ € € 9	7115.7	425.0	-17.0	-39.0	263.6	20.5	20.3	2.3	327.2	328.3	0.3	12.8	13.2		
24.7	64.3	7567.7	400.0	-20.5	-32.8	263.6	21.1	21.0	2.4	328.4	330.5	0.6	32.2	14.6		
26.2	67.8	8042.1	375.0	-24.3	-29.6	265.6	23.0	23.0	1.8	329.4	332.5	0.9	61.8	16.2		
27.9	71.5	8541.9	350.0	-27.8	-32.5	272.5	25.4	25.4	-1.1	331.3	333.8	0.7	63.5	18.0		
29.5	75.6	9069.9	325.0	-32.3	-38.7	274.2	30.2	30.1	+2.2	332.1	333.6	0.4	52.5	20. 2		
31.3	79.8	9630+1	300.0	-36·1	-44.0	273.8	30,2	30.1	-2.0	334.4	335.4	0.3	43.7	23.1		
33.4	24.0	10228.4	275.0	-40.6	99.9	271.1	30.2	30.2	-0.6	336.4	999.9	99.9	999.9	25.4		
35.6	88. 6	10871.4	250.0	-45+6	<b>99•</b> 9	273.0	30.8	30.7	-1.6	338.4	999.9	99.9	999.9	30.0		
37.9	54 <sub>0</sub> 0	11564.7	225.0	-51.4	99.9	275.5	34.2	34.0	-3.3	339∙ €	999.9	99.9	999,9	34.0		
40.4	99.5	12319.3	200.0	-57-6	99.9	266.2	36.8	36.7	2.5	34%.6	999.9	99.9	999.9	39. 1	76.	
43.0	105.5	13148.7	175.0	-64.5	99.9	274.1	35.1	35.0	-2.5	343.5	999.9	99.9	999.9	44.5		
46.3	112.3	14080.5	150.0	-65.9	99.9	281.6	38.1	37.3	-7.7	356.7	999.9	99.9	999.9	52.0		
50 • 1	115.7	15191.5	125.0	-64-1	99.9	262.1	27.7	27.5	3.8	378.9	999.9	99.9	999.9	58. 4		
54.9	126.2	16544.5	100.0	-68.9	99.3	268.3	18.4	18.4	0.5	394.7	999.9	99.9	999.9	64. 3	-	
60.8	138+5	18263.7	75.0	-68.6	99.9	269.1	8.5	8.5	0. 1	429.1	999.9	99.9	999.9	68.8		
69.1	149.0	20734.7	50.0	-59.7	99.9	253.3	16.2	15.5	4.6	502.8	999.9	99.9	999.9	70.9		
81.7	160.0	25170-7	25.0	-50.5	99.9	999.9	99.9	99,9	99.9	639.5	999.9	99.9	<del>9</del> 99•9	999.9	999.	

\* BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP NEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 260 STEPHENVILLE. TEX

### 24 APRIL 1975 2315 GMT ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

,	ON 11.74														
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	ce c	EG	M/SEC	M/SEC	M/SEC	DGK	DG K	GM/KG	PCT	KM	DG
0.0	9.9	399.0	962.5	28.5	18.9	180.0	6.2	0.0	6.2	307.0	346.3	14.4	56.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	979.
99. 9.	59.9	99.9	975.0	ć9.9	99.9	99.9	99.9	99.9	99.9	59 <b>.</b> 9	999.9	99.9	999.9	999. 9	999.
0 - 4	11-0	515.2	950.0	27.2	15.6	349.9	1.5	0.3	-1.4	306.4	338.9	11.8	49.0	0.8	1.
1.3	13.4	750.9	925.0	25.6	14.9	185.5	8.8	0.8	.e. 8	307.0	239.0	11.6	51.6	0.9	2.
2.1	15.8	991.3	900.0	23.3	14.2	187.2	14.6	1.8	14.5	307.1	338.5	11.4	56.4	1.6	4.
3.0	18.3	1236.7	875.0	21.1	13.3	192.3	13.0	2.8	12.7	307.2	337.8	11.1	61.2	2. 4	5∙
4.0	20.3	1467-3	850.0	19.1	13.1	201.3	12.4	4.5	11.5	307.7	339.7	11.2	68.0	3-1	8.
4.9	23.4	1743.7	825.0	16.9	12.7	212.6	11.8	6.3	9.9	308.0	339.4	11.3	76.4	3. 7	11.
5.7	26.0	2005.7	800.0	14.6	12.4	226.0	11.9	8.6	8.3	308.3	340.0	11.5	86.7	4.2	15.
6.6	28.8	2274.3	775.0	12.8	11.5	241.1	12.3	10.8	6.0	309.0	339.8	11.1	91.7	4.7	20.
7.5	31.6	2549.7	750.0	10-8	10.2	255.2	12.2	11.8	3.1	309.6	339.0	10.5	96.3	5• 2	26.
8.6	34.4	2833.7	725.0	12.5	-6.0	257.1	12.4	12.1	2 • 8	313.6	324 • 1	3.5	27.6	5.6	32.
9.6	37.1	3127.2	700.0	11.7	-42.7	244.2	13.3	12.0	5.8	315.4	315.9	0.1	1.0	6.3	37.
- 10-7	40-1	3430.0	675.0	10.1	-43.7	235.3	14.8	12.2	8.4	317.0	317.4	0.1	1.0	7. 1	39.
11.7	42.9	3741.9	650.0	8.1	-45.0	232.9	17.2	13.7	10.4	316.1	318.5	0+1	1.0	8.0	41.
12.7	46.0	4063.2	625.0	5.1	-46.8	230.7	18.7	14.5	11.9	316.2	318.5	0 • 1	1.0	9. 1	42.
13.B	49.3	4394.6	600.0	2.3	-24.9	229.8	19-2	14.7	12.4	318.8	321.7	0.9	11.7	1G. 4	43.
14.9	52.1	4736.4	575.0	-0.7	-14-1	229.2	21.2	16.0	13.8	319.4	320.5	2.2	35.8	11.6	44.
16.1	E5. 3	5089.8	550.0	-4.0	-7.0	229.0	22.0	16.6	14.4	319.8	332.5	4-1	80.0	13.2	45.
17.5	56.6	5454.9	525.0	-7.4	-12.7	235.€	20.0	16.6	11.3	319.9	328.5	2.7	65.6	15.0	45.
19.3	62.1	5832.7	500.0	-10.8	-18.4	235.7	20.8	17-1	11.7	320.1	325.8	1.8	53.3	17.2	47.
21.1	65.6	6225.0	475.0	-14.3	-16.5	241.0	21.3	18.6	10.3	320.5	327.6	2. 2	83.5	19.4	46.
23.6	69.2	6631.9	450.0	-18.3	-22.8	248.4	20.9	19.4	7.7	320.4	324.8	1.4	67.7	22.4	50.
25.5	72.7	7057.6	425.0	-20.2	-62.8	249.4	23.6	22.1	e. 3	323.1	323.1	0.0	1.0	25.1	52.
26.9	76.7	7504.9	400.0	-22.5	-64.3	251.8	24.3	23.1	7.6	325.7	325.7	0.0	1.0	26.8	54.
28.5	80.7	7974.9	375.0	-26.7	-67.0	245.1	27.4	24.8	11.5	326.2	326.3	0.0	1.0	29. 2	55.
29.8	84.8	8469.7	350.0	-30.7	-69.6	261.6	26.7	26.4	3.9	327.3	327.3	0.0	1.0	31.7	56.
31.6	85.0	8990.5	325.0	-34.7	-72.2	250.9	31.2	29.5	10.2	328.8	328.9	0 • C	1.0	34.0	58.
33.4	93+8	9545+5	300.0	-37.7	-74.2	258.0	36.5	35.7	7.6	332.2	332.2	0.0	1.0	37.5	60.
35.3	58.4	10140.8	275.0	-41.9	99.9	256.4	35.9	35.9	8.7	334.€	999.9	99.9	999.9	42.2	61.
37.4	103.5	10779.3	250.0	-46.8	99.9	257.3	46.3	45.1	10.2	336.5	959.9	99.9	999.9	47-1	63.
39.7	109.0	11468.7	225.0	-52.4	99.9	259.9	45.2	44.5	7.9	338.2	999.9	99.9	. 999.9	54.0	65.
42.2	114.8	12219.4	200.0	-50.4	99.9	264.0	63.6	63.2	6.6	340.4	999.9	99.9	999.9	61.1	67.
45.0	121.0	13046.6	175.0	-64.8	99.9	264.8	59.6*	59.3	5.4	343.0	999.9	99.9	999.9	70.8	70.
48.2	128.0	13983.7	150.0	-63.6	99.9	261.4	27.7*	27.4	4.1	360.5	999.9	99.9	999.9	79.7	72.
52.4	135.5	15111.0	125.0	-62.9	99.9	265.4	30.1+	30.0	2.4	381.2	999.9	99.9	999.9	86. 9	72.
58.1	142.7	16478.9	100.0	-64+3	99.9	260.1	16.2*	15.9	2.8	403.6	999.9	99.9	999.9	93.9	73.
63.8	150.7	19214.4	75.0	-68.8	99.9	246.4	4.6+	4.2	1.8	428.7	999.9	99.9	999.9	99.5	74.
72.2	159.3	20706.6	50.0	-58.8	99.9	288.2	7.3	6.9	-2.3	505.1	999.9	99.9.	999.9	102-1	75.
84.9	167.7	25147.6	25.0	-50-1	99.9	316.7	5.0	3.4	-3.6	641.1	999.9	99.9	999.9	102.6	77.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 261 DEL RIO. TEX

24 APRIL 1975

							2315 G	MT						162 16. 0			
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CC4P	POT T	E POT T	MX RTO	PH	RANGE	AZ		
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ÐG		
0.0	8•8	314.0	970.6	31.7	17.6	100.0	3.2	-3.2	0.6	309.3	345.7	13.2	43.0	0.0	0.		
99.9	99.9	99.9	1000.0	59.9	99.9	99.9	99.9	. 99.9	99.9	99.9	999.9	99.9	999.9	999. 9	9994		
99.9		99•9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9			
0.6	10.7	506.6	950.0	29.8	17.7	125.7	4.43	-3.5	2. 6	309.3	346.8	13.6	4 B. 3		286.		
1.3		744-1	925.0	27.5	15.9	118.6	4.4	-3.8	2 • 1	309.1	343.5	12.4	49.4		295.		
2.4		986.4	900.0	25.2	15.3	108.1	4.5	-4.3	1.4	309.1	343.2	12.3	54.4		293.		
3.3		1233.5	875.0	22.9	14.8	113.1	4.0	-3.7	1.6	309•2	343.1	12.2	60.4		273.		
4.4		1485.5	850.0	20.4	14.3	106.3	4.8	-4.6	1.3	309.2	342.8	12.2	67.9		292.		
5. 2		1743-1	625.0	18-4	11.8	87.0	2.3	-2.3	-0. i	309.5	339.1	10.6	65.3		291.		
6.1	25.2	2006.9	800.0	17.7	6.5	339.1	5.3	1.9	-5.0	311.1	333.0	7.7	48.0		286.		
7.0		2278.1	775.0	17.4	-0.4	305.0	9.5	7.8	-5.5	313.2	327.6	4.9	30.4		271.		
7.8		2557.8	750.0	17.2	-2.8	278.6	9.2	9.0	-1.4	315.9	328.4	4.2	25.2		257.		
8.7		2845.9	725.0	15.4	-4.4	303.4	5.4	4.5	-3.0	316.8	328.5	3.8	25.3		232.		
9.7		3142.2	700.0	13.1	-6.3	275.0	11.8	11.8	-1.0	317.4	327.9	3.4	2.5 • 4		186.		
10.6		3446.8	675.0	11.1	-8.6	999.9	99.9	99.9	99.9	318.4	327.7	3.0	24.3	995. 9			
11.8		3759•7	650.0	7.9	-11.2	995.9	99.5	99.9	59.9	318.2	326 • 1	2.5	24.4	999.9			
12.9		4081.4	625.0	5.0	-12.5	224.6	13.2	9.2	9.4	318.5	325.8	2.3	26.7	3, 1			
14.0	47.0	4412.4	600•0	1.7	-13.8	232.8	12.3	9.8	7.4	318.4	325.3	2.2	30.4	4.0			
15.1		4753.6	575.0	-1.5	-16.7	243.3	13.7	15.3	6.2	318.5	324.3	1.8	30.1	4.8			
16.3	53.0	5105.8	550.0	-4.1	-19.1	254.2	17.9	17.2	4.9	319.4	324.4	1.5	30.0	5.9			
17.6		5471.1	525.0	-6.5	-22.5	262.9	20.7	20.6	2.6	320.7	324.6	1.2	26.6	7.3			
19.1	59.4	5850.3	500.0	-9.8	-23.0	264.0	22.1	21.9	2. 3	321.2	325.1	1.2	33.1	9 1			
20.6	62.9	6244.5	475.0	-11.7	-29.2	261.3	55.0	21.7	3. 3	323.5	325.9	0.7	21.9	11.1			
21.9		6656.4	450.0	-14-4	-35.4	26 2 • B	21.1	21.0	2.6	325.1	326.6	0.4	14.8	12.7			
23.2	65.5	7087-1	425.0	-17.4	-37.6	264.0	24.0	23.9	2.5	326.6	327.9	0.3	15.1	14.3			
24.5		7538.2	400.0	-21.0	-30.6	262.1	23.9	23.7	3 <sub>e</sub> ,3	327.8	330.4	0.7	41.6	16.3			
26.0		8012.0	375.0	-24.2	-30.9	271.1	25.4	25.4	-0.5	329.6	332 0 3	0.8	53.4	18.4			
27.7		8512.2	350.0	-27.6	-36.5	270.1	30.6	30 • 6	-0.0	331.5	333.2	0.5	41.9	21.3			
29.5		9041.6	325.0	-31.0	-44.1	264.8	30.4	30.3	2.8	333.8	334 • 7	0.2	26.1	24.5			
31.2		9603.7	300.0	-36.1	+50 <b>.7</b>	264.3	28.1	28.0	2.8	334.5	334.9	0.1	20.2	27.3			
32.8	93.8	10231.0	275.0	-41.5	99.9	262.8	30.3	30.0	3, 8	335.1	999.9	99.9	999.9	30 • 3			
34.9		10840.4	250.0	-47.0	99.9	268.7	•	30.0	0.7	336.2	999.9	99.9	999.9	34.0			
37.3	103.5	11529.9	225.0	-52.7	59.9	262.1	34.7	34.4	4.8	337.8	999.9	99.9	999•9	38.6			
39.9		12279.3	200.0	-58.5	99.9	265.5	37.6	37.5	2.9	340.1	999.9	99.5	999.9	44.4	•		
42.7		13104.5	175.0	-65.6	99.9	260.6	41.6	41.1	6.8	341.6	999.9	99.9	999•9	51 • 1			
46.1	121.5	14028.2	150.0	-69.3	99.9	273.4	40.4	40.4	-2.4	350.7	999•9	99.9	999.9	60.5			
50.1	129.0	15132.4	125.0	-64.2	99.9	258.5	28.9	28.3	5.8	378.7	999.9	99.9	999.9	67.9			
54.6	136.7	16490.7	100.0	-68.6	<b>59.9</b>	270.1	25.4	25.4	-0.0	395.3	999.9	99.9	999.9	74.4			
60.0	145.0	18198.1	75.0	-71.0	<b>99.9</b>	325.5	6+8	3.8	-5.6	424.0	999.9	99. 9	999.9	76.9			
67.8	154.7	23678+5	50.0	-60.3	99.9	292.5	3.5	3.3	-1.4	501.5	999.9	99.9	999.9	80.7			
79.4	165.0	25089.6	25.0	-53.4	99.9	56+5	5•2	-4.3	-2.9	631.2	999.9	99.9	999.9	80.1	85.		

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 265 MIDLAND. TEX

24 APRIL 1975 2315 GMT

	11.	

							5312 0.	••					. •	JU 116	, •
TIME	CNTCY	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	Y CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	MISEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	12.5	873.0	910.3	31.1	-4.1	250.0	6.2	5.8	2.1	313.0	322.4	3.1	10.0	0.0	C.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	599 <b>.</b> 9		
99.9	95.9	99.9	975.0	99.9	99.9	99.9	94.9	99.9	99.9	99.9	599 <b>•9</b>	99.9	999.9	999. 9	
99.9	55.5	99.9	950.0	99.9	99.5	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
59.9	99.9	59.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9		999.
0.4	13.5	974.5	900.0	29.9	-407	242.7	7.8	7.0	3.6	312.8	321.9	3.0	10.5	0.2	67.
1.3	15.8	1223.6	875.0	26.5	-3.5	245.7	6.6	6.0	2.7	311.8	322.0	3.4	13.6	0. 5	65.
2.3	18.2	1477.5	850.0	23.6	-5.8	249.8	7.1	6.7	2.5	311.3	320.1	2.9	13.6	0. 9	66.
<b>3.</b> 2	20.6	1736.5	825.0	21.4	-7.4	255.1	7.1	6.9	1.8	311.6	319.7	2.7	13.7	1.3	69.
4.1	23.0	2001.2	800.0	19.0	-9-1	251.0	8.4	8.0	2.7	311.7	319.1	2.4	13.9	1.7	69.
4.9	. 25.5	2272.3	775.0	16.4	-10.5	259.6	8.4	8.3	1.5	311.7	318.5	2.2	14.7	2.1	70.
5.7	. 20.1	2549.2	750.0	13.4	-11.7	262.4	9.0	8.9	1.2	311.4	317.9	2.1	16.2	2.5	72.
6.4	50.9	2832.9	725.0	10.8	-12.4	262.0	7.6	7.5	1.1	311.5	317.8	2.0	18.2	2.9	74.
7.5	33.4	3123.5	700.0	7.8	-13.9	277.6	7.0	6.9	-0.9	311.4	317.2	1.9	19.6	3. 3	76.
8.7	36.0	3421.8	675.0	5.9	-16.9	271.6	8.3	8.3	-0.2	312.4	317.1	1.5	17.5	3• ₺	79,
9.6	38.9	3729.1	650.0	3.4	-21.0	269.7	11.5	11.5	0 • 1	312.9	316.5	1.1	14.7	4.4	80.
10.9	41.6	4045.9	625.0	1.4	-22.5	269.9	14.9	14.9	0.0	314.2		1.0	14.8	5. 3	82.
12.0	44.6	4373.5	600.0	-0.4	-23.8	273.1	17.0	17.0	-0.9	315.7	318.8	0.9	15.0	6. 4	84.
13.3	47.6	471202	575.0	-2.7	-25.5	274.5	20.9	20.8	-1.6	316.9	319.7	0.8	15.2	7. 8	86.
14.6	50.6	5063.0	550.0	-5.0	-27.3	270.9	21.9	21.9	-0.3	318.2	320.6	0.7	15.3	9.4	87.
15.8	53.8	5426.4	525.0	-7.4	-29.1	262.8	22.4	22.3	2.4	319.6	321.8	0.6	15.5	11.1	87.
17-1	56.9	5804+6	500.0	-9.6	-32.3	255.8	24.7	24.0	6.1	321.4	323.1	G • 5	13.7	12.9	86.
18.4	: 6C. 3	6198.9	475.0	-12.4	-34.3	255.5	25.3	24.5	6.3	322.7	324.2	0.4	13.9	14.8	84.
19.6	63.7	6609.1	450.0	-16.0	-37.1	258.0	26.8	26.2	5.6	323.1	324.3	0 • 3	14.2	16.9	<b>93.</b>
21.3	67.1	7037.1	425.0	-19.2	-39.5	259.7	27.6	27.2	5.0	324.4	325.4	0.3	14.5	19.4	83.
22.8	70.6	7484.9	400.0	-23.2	-42.6	263.3	29.0	28.8	3.4	324.9	325.7	0.2	14.9	22.0	93.
24.3	74.3	7954.3	375.0	-26.5	-45.1	270.3	28.2	28.2	-0.2	326.5	327.1	0.2	15.1	24.5	83.
25. B	78.3	8448.6	350.0	-30.7	-48.5	272.3	27.8	27.8	-1.1	327.3	327.8	0.1	15.5	27.0	84.
27.6	e2. 3	897C.7	325.0	-34.0	-51.1	268.2	32.4	32.4	1.0	329.7	330.1	0 <b>.</b> I	15.8	30• Z	85.
29.5	26.5	9526.3	300.0	-38.5	99.9	270.4	33.0	33.0	-0.2	331.0	999.9	99.9	999.9	34.0	85.
31.5	91.2	10117.6	275.0	-43.7	99.9	267.3	35.3	35.3	1.7	331.9	999.9	99.9	999.9	37.9	85.
33.6	95.8	10753.0	250.0	-47.6	99.9	264.8	46.0	45.9	4.1	335.3	999.9	99.9	999.9	43.0	86.
36.3	101.3	11440.2	225.0	-53.1	99.9	265.5	50.0	49.9	3.9	337.2	969.9	99.9	999.9	50.8	85.
39.0	106.5	12190.7	200.0	-58.6	99.9	260-1	53.2*	52.4	9.1	340.0	999.9	99•9	999•9	59. 4	85.
42.0	112.5	13015-8	175.0	-64.5	99.9	259.7	50.7*	49.8	9.1	343.5	999.9	99.9	999.9	68.7	84.
45.2	118.8	13956.6	150.0	-64.6	99.9	265.5	40.4*	40.3	3. 1	358.9	999.9	99.9	999.9	77.6	84.
49.2	126.0	15071.3	125.0	-65.2	99.9	247.3	28.1*	25.9	10.8	376.9	999.9	99.9	995.9	85. 8	84.
54.2	134.3	16431.6	100.0	-65.9	99.9	265.0	22.90	22.8	2.0	400.5	999.9	99.9	999.9	95. 3	63.
59.8	142.7	18187.2	75.0	-66-4	99.9	266.0	4.3+	4.3	0.3	433.7	999.9	99.9	999.9	100.6	84.
68.0	151.7	20689.7	50.0	-57.7	99.9	232.2	6.9	5.4	4.2	507.7	999.9	99.9	999.9	102.4	54.
61.8	161.7	25159.2	25.0	-49-1	99.5	0.1	6.4	-0.0	-6.4	643eB	999.9	99.9	999.9	102.3	85.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 304 HATTERAS. NC

## 24 APRIL 1975 2315 GMT

155 15. 0 TIME CNTCT PEIGHT PRES TEMP CEW PT DIR SPEED U COMP MX RTO RANGE V CCMP PGT T E POT T RH AZ MIN GPM MB DG C DG M/SEC M/SEC . M/SEC DG K GM/KG PCT KM DG DG C DG K 1018.4 4.3 324.3 74.0 0.0 0.0 4.7 4.0 21.1 16.3 230.0 6.7 5.1 294.3 11.5 0. 322.6 75.0 0.5 5.8 161.8 1000.0 19.7 15.2 216.3 17.3 10.2 13.9 294.3 10.9 0.6 35. 1.4 7.8 379.9 975.0 18.3 14.3 217.6 17.8 10.9 14.1 294.9 322.7 10.6 77.7 1.4 36. 602.0 217.6 12.9 16.7 294.6 320.8 10.0 83.3 2.3 37. 2.1 5.8 950.0 15.8 13.0 21.0 11.5 220.6 17.1 295.2 318.9 79.4 37. 828. 6 925.0 14.4 10.9 22.5 14.7 8. 9 3.1 2.8 1059.7 90C.0 222.8 13.9 15.0 295.9 311.6 5.9 4.2 36. 3.6 13.5 13.2 4.3 20.5 55.1 307.7 1296.7 875.0 -3.2 220.6 17.8 11.6 13.5 297.8 3.5 32.8 5. 1 39. 15.7 13.0 4.4 1539.6 220.9 13.1 299.0 314.2 5.5 5. 9 39. 5.2 17.5 85C.0 11.6 2.3 17.4 11.4 54.5 1788.7 5.3 56.9 6.0 20.1 825.0 10.0 1.8 226.1 18.6 13.4 12.9 299.8 314.6 6. B 40. 6.9 22.1 2044.5 800.0 -3.6 239.1 17.8 15.3 9.2 302.0 312.6 3.7 38.9 .7. 5 41. 9.8 7.9 24-4 2307.9 775.0 8.3 0.1 252.5 16.4 15.6 4.9 303.4 317.5 5.0 56.3 8.6 44. 26.5 2578.8 750.0 -1.0 259.5 13.9 2.6 305.6 319.3 53.8 9.3 47. 8.7 7.8 14.1 4.0 306.6 9.7 28.9 2857.6 725.0 6.0 -1.1 267.3 13.4 13.4 0.6 320.7 4.9 60.6 10.0 49. 52. 31.5 3144.6 700.0 -2.6 279.3 13.9 13.7 -2.3 308.3 321.4 4.5 59.0 10.4 10.5 4.7 34.3 3440.2 675.0 -3.8 279.7 16.0 -2.7 309.7 322.3 4.3 59.9 11.1 55. 11.5 3.2 16.3 12.4 36.3 3746.2 650.0 2.0 -6.3 283.0 15.3 14.9 -3.5 311.6 322.6 3.7 54.1 11.7 59. 13.5 39.0 4061.3 625.0 -1.0 +7.2 288.7 15.8 15.0 -5.1 311.7 322.4 3.6 62.8 12.3 62. 41.6 4386.3 600.0 -3.2 -7.9 288.3 -5.5 312.9 323.5 3.5 69.9 13.0 55. 17.5 16.6 14.4 575.0 15.4 44.3 4722.0 -5.8 -10.2 289.2 17.5 16.6 -5.8 313.6 323.0 3.1 70.8 13.8 68. 47.2 -8.7 -12.6 -4.2 314.1 322.2 73.0 14.7 71. 5058.8 550.0 284.1 17.1 16.5 2.6 16.5 17.6 50.2 5428.4 525.0 -10.7 -14.7 283.2 16.2 -3.8 315.8 323.1 2.3 72.5 15.7 73. 16.6 -13.0 -18.3 288.5 15.5 -5.2 317.3 323.1 64.3 16.7 75. 18.5 53. C 5801.8 500.0 16.3 1.8 6191.3 475.0 -4.3 19.9 56. C -15.5 -20.9 285.7 15.8 15.2 318.9 323.8 1.5 63.5 17.5 77. -25.0 6597.0 -18.8 282.5 -3.5 319.7 323.3 18.5 79. 21.1 59. 3 450.0 16.4 16.0 1.1 58.1 7020.9 -3.0 321.1 323.6 0.7 47.7 19.7 80. 22.3 62.6 425.0 -21.8 -29.9 280.7 16.3 16.0 23.6 65.9 7463.4 400.0 -26.0 -30.7 280.4 17.3 17.0 -3.1 321.2 323.7 0.7 64.7 21.0 dl. 25.2 7927.0 375.0 278.9 322.0 324.1 0.6 73.4 22.5 83. 65.6 -29.9 -33.2 18.3 18.0 -2.8 24.0 24.0 84. 73.2 8416.6 350.0 -45.5 274.8 11.5 -1.0 325.8 326.5 0.2 26.5 -31.8 11.5 77.2 8937.7 325.0 -48.9 266.9 9.8 328.0 328.5 0.1 23.1 24.9 84. 28.4 -35.3 9.8 0 o 5 30.1 81.3 9489.2 300.0 -40.6 99.9 259.8 13.6 13.3 2.4 328.2 999.9 99.9 999.9 26.0 84. 999.9 32.0 10075.2 275.0 99.9 272.0 328.9 999.9 99.9 27.6 84. 65.7 -45.8 14.6 14.5 -0.5 999.9 13.1 999.9 99.9 28.9 33.9 90.4 10702.8 250.0 -51-1 99.9 272.8 13.1 -0.6 330.1 64. -1.5 330.8 999.9 999.9 30.6 95.5 11378.9 225.0 -57.3 99.9 278.0 10.5 99.9 85. 35.9 10.6 999.9 999.9 100.7 -6.3 332.9 99.9 32. 1 38.1 12113.5 200.0 -63.1 99.9 295.8 12.6 10.9 Hć. 999.9 291.6 999.9 34.0 88. 40.5 106.9 12927.6 175.0 -64.7 99.9 23.1 21.5 -6.5 343.2 99.9 999.9 43.3 113. 3 13866.4 150.0 -66.0 99.9 294.4 26.4 24.0 -10.9 356.5 999.9 99.9 38. 2 91. 999.9 999.9 46.6 120.3 14987.9 125.0 -59.7 99.9 284.1 33.8 32.7 -8.2 386.9 99.9 44.3 92. 999.9 999.9 50.5 128. 3 16370.5 100.0 99.9 302.2 11.5 9.7 -6.1 405.0 99.9 49. 1 95. -63.5 137.0 18114.4 75.0 99.9 72.2 -2.7 -0.9 433.7 999.9 99.9 599.9 50.7 96. 55.2 -66.4 2.8 145.3 20620.8 50.0 99+9 327.9 5.1 2.7 -4. J 502.2 999.9 99.9 999.9 52.4 96. 62.2 -60.0

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 311 ATHENS. GA

161 12. 0

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TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX PTO	RH	RANGE	42	
MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.	0 7.0	246.0	988.5	24.7	16.7	220.0	4.2	2.7	3.2	300.5	333.1	12.2	61.0	0.0	` 0.	
99.	9 99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
0.	8.3	366.5	975•0	23.4	13.6	222.6	8.4	5.7	6.2	306.1	327.5	10.2	54.8	0.3	49.	
1.	4 10.5	593.0	950.0	22.0	13.0	225.1	10.2	7.3	7.2	300.9	327.9	10.0	56.8	0.7	46.	
2.	2 12.9	823.8	925.0	19.3	12.0	225.8	12.0	8.6	8.3	300.4	326.2	9.6	62.3	1.3	46.	
з.	2 15.2	1.058.8	900.0	17.0	11.2	225.9	11.6	6.3	8.0	300.3	325.5	9.3	68.6	2.0	46.	
4.	2 17.4	1298-9	875.0	14-6	10.8	229.7	12.9	9.8	8.3	300.2	325.5	9, 3	77.7	2.6	46.	
4.		1543.5	850.0	12.2	9.7	241.9	13.7	12-1	6.5	300.1	324.4	9.0	84.6	3∙ 3	48.	
5.	8 22.2	1794.2	825.0	10.8	8.5	252.5	14.4	13.7	4.3	301.2	324.4	8.5	85.7	'4.0	52.	
6.		2050.8	800.0	9.6	5.9	261.9	15.1	14.9	2.1	302.3	322.6	7.3	77.7	4. 7	56.	
7.	6 27.1	2314.2	775.0	7.4	4+3	268.7	15.4	15.4	0.3	302.6	321.43	6.7	50.4	5.5	60.	
8.	6 29.8	2584.0	750.0	5.6	1.7	274.6	15.6	15.6	-1.2	303.5	319.8	5.8	75.8	6.3	65.	
9.		2861.4	725.0	4.6	-4.2	277•2	15.0	14.9	-1.9	305.0	316.4	4.0	54 • C	7.0	66.	
10.		3147.5	700.0	4.3	-12.4	273.6	16.3	16.3	-1.0	307.5	314.0	2.1	28.9	7•9	72.	
11.		3443.5	675.0	4.3	-19.8	270.6	20.8	20.8	-0.2	310.6	314.3	1.2	15.3	9.2	74.	
12.		3750.3	650.0	3.4	-10-7	268.7	25.0	25.0	0.6	313.2	321.2	2.6	34.9	10.7		
14.	1 43.2	4067.2	625.0	1.2	-11.8	268.7	26.8	26.8	0• 6	314.1	321.8	2.5	37.1	12.5	78.	
15.	2 46.1	4394.3	600.0	-1.0	-14.9	272.1	23.8	23.7	-0.9	315.2	321.5	2.0	33. A	14.3	86.	
16.	6 45.3	4732.3	575.0	-3.7	-22.4	275.7	24.4	24.3	-2.4	315.7	319.3	1.1	21.6	16.9	81.	
17.	8 52.0	5081.4	55C.0	-5.9	-28.6	279.7	26.0	25.6	-4.4	317.1	319.3	0.6	1,4.,6	17.9	63.	
19.		5443.5	525.0	-9.0	-31.0	287.2	24.8	23.7	-7.3	317.6	319.4	0.5	14.8	19. 7	<b>65</b> .	
20.		5818.5	500.0	-12-1	-33-9	294.0	24.7	22.6	-10.0	318.3	319.8	0.4	14.3	21.5	87.	
21.		6209.5	475.0	-14.2	-37.1	294.4	23.9	21.8	-9. 9	320.4	321.5	0.3	12.3	23.4	90.	
23.	65.0	6617.2	450.0	-17.2	-39.3	291.6	25.9	24.1	-9.5	321.6	322.6	0.3	12.5	2 <b>5</b> • 5	92.	
25.		7042.9	425.0	-20-9	-41.3	287.3	20.5	19.6	-6.1	322.2	323.1	0.2	14.0	27.6		
26.	8 71.7	7487.7	400.0	-24.5	-42.4	288.6	21.1	19.9	-6.7	323.1	323.9	0.2	17-1	29. ċ	94.	
28.		7954.0	375.0	-28.6	-44.7	282.1	23.7	23.2	-5.0	323.7	324.4	0.2	19.4	32. 1	95.	
30.	3 79.5	8444.1	350.0	-32.5	-47.9	285.8	21.0	20.3	-5.7	324.8	325.3	0.1	19.7	34.1	9€.	
32.		8962.7	325.0	-36.0	-49.2	291.0	18.9	17.6	-6• B	327.0	327.5	G. 1	24.9	36• 7	36.	
34 •		9514.6	300.0	-40.1	99.9	292.6	17.6	16.2	=6+8	328.8	999.9	99.9	999.9	39, 1	97.	
36.	2 92.0	10102.8	275.0	-44.8	99.9	317.8	17.0	11.4	-12.6	336.4	999.9	99.9	999.9	40.6		
38.	2 56.6	10731.2	250.0	-51.1	99.9	311.3	17.3	13.0	-11.5	330.1	997.9	99.9	999•9	42.2		
40.	6 . icl.4	11406.2	225.0	-57•5	99.9	307.4	12.7	10.1	-7.7	330.4	999.9	99.9	999.9		102.	
43-		12141.6	200.0	-60.9	99.9	274.9	15.0	15.0	-1.3	336.3	999.9	99.9	999.9		102.	
46.	7 112.5	12968.3	175.0	-63.7	99.9	286.8	30.9	29.6	-8.9	344.9	999.9	99.9	999.9		102.	
50.		13917.2	150.0	-62.9	99.9	281.6	34.1	33.4	-6.9	361.8	999.9	99.9	999•9		102.	
55.		15046.7	125.0	-61.4	99.9	272.0	27.5	27.5	-0.9	383.7	999.9	99.9	999.9		101.	
61.		16416.5	100.0	-65.8	<b>99.9</b>	294.0	14.9	13.6	-6.1	400.5	999.9	99.9	999.9		101.	
68.		18140.6	75,0	-66.6	99.9	292-1	11.5	10.6	-4.3	433.3	999.9	99.9	999.9		102.	
78,		23620.4	50.0	-61.4	99.9	101.5	2.5	-2.4	0.5	498.9	999.9	99.9	999.9		102.	
97.	8 162.3	25003.2	25.0	-51.5	99.9	40.4	8.9	-5.8	-6.8	636.6	999.9	99.9	999.9	60.2	106.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAY BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSHORC. NC

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TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V. CEMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	M8	DG C	DG C	DG	M/SEC	M/SEC	M/SLC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	8.1	275.0	981.5	24.4	15.6	200.0	7.2	2 • 5	6.8	300.7	331 • 4	11.5	58.0	0.0	C.
99.9	99.9	59 <b>.9</b>	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9		999.
0.1	8.8	333.3	975.0	23.9	12.6	223.4	12.3	8.5	9•0	300.5	326.1	9.5	49.3	0.3	21.
0.7	11.0	559.7	950•0	22.1	12.0	225.9	13.9	10.0	9.7	306.9	326.2	9.3	52.7	0.5	33.
1.2	13.5	790.6	925.0	19.5	11.1	253.5	14.9	10.2	10.9	300.4	325.0	9. 1	58.7	1.0	30.
1.9	15.8	1025.6	900.0	16.9	10.5	226.7	20.7	15.1	14.2	300.1	324.3	8.9	66.1	1.7	40.
2.8	18.3	1265.5	875.0	15.0	11.3	232.2	21.5	17.0	13.2	300.6	326.8	9.7	78.7	2.8	44.
3.7	20.8	1510.6	850.0	12.7	11.4	238.2	22.2	18.9	11.7	300.8	327.9	10.1	92.2	3. 9	47.
4.6	23.2	1761.5	925.0	12.0	9-1	247.9	22.4	20.7	8.4	302.5	326.8	8.9	82.5	5. 1	51.
5.3	25.7	2019.6	800.0	11.5	6.5	257.6	2209	22.4	4.9	304.4	325.6	7.6	71.5	6.0	54.
6.0	28.3	2285.0	775.0	10.5	3.0	263.0	22.7	22.6	2.8	305.9	324.0	6.4	62.2	6.9	56.
6.9	31.0	2557.1	750.0	e•0	2.4	267.6	23-1	23.1	1.0	306.1	323.3	6.1	67.5	6.0	62.
7.9	33. 3	2836.3	725.0	6.0	1.6	273.2	22.9	22.8	-1.3	306.8	323.7	5.9	73.2	9.3	66.
9.1	36.4	3123.2	706.0	4.2	-0.3	275.8	24.5	24.4	-2.5	307.8	323.2	5.3	72.3	10.7	
10.2	39.3	3418+3	675.0	2.1	-3.0	277.0	26.4	26.2	-3.2	308.5	321.8	4.6	69.1	12.3	74.
11.3	42.0	3722.0	650.0	-0.3	-5.4	275.9	28.5	28•3	-2.9	309-1	320.7	3.9	68.6	14.0	77.
12.5	45.0	4035.7	625.0	0.5	-15.9	265.1	25.3	25.2	2.2	313.2	319.8	1.8	27.9	15. 9	
13.5	48.1	4361.8	600.0	-1.5	-31.8	261.2	27.5	27.2	4.2	314.4	315.9	0.4	7.7	17.4	79.
14.5	51.0	4698.9	575.0	-4.3	-30.5	261-1	27.4	27.1	4.2	315.0	316.8	0.5	10.8	19.2	79.
15.5	54.1	5047-1	550.0	-7.5	-28.4	265.0	25.8	25.6	3.6	315.2	317.4	0.7	17.0	26.7	79.
15.6	57.3	5407.8	525.0	-9.7	-48.4	266.8	25.5	25.4	1.4	316.7	317.0	0.1	2.5	22.4	80.
17.7	6C- 5	5782.0	500.0	-13.0	-49.6	271.2	24.3	24.3	-0.5	317.2	317.5	0.1	2.3	24. 2	90.
18.9	64.0	6172.3	475.0	-14.2.	-50.0	271.7	24.2	24.2	-0.7	320.4	320.7	0.1	3.0	25. 7	81.
20.1	67.3	6579.5	450.0	-17.6	-51.5	270.9	22.6	22.6	-0.4	321.0	.321.3	0.1	3, 3	27.5	82.
21.5	70.9	7004.7	425.0	-20.6	-52,9	272-1	22.7	22.7	-0.8	322,5	322.7	0.1	3.6	29.1	92.
22.7	74.6	7450-1	400.0	-24.1	-54.7	277.9	18.7	18.5	-2.6	323.6	323.8	0.1	4.0	36.6	.e.3.
23.6	78.5	7916.9		-28.3	-56.9	277.2	23.2	23.0	-2.9	324.1	324.3	0.0	4.4	32.0	84.
25.0	82.3	84C7+B	350.0	-32-1	-59.1	280.9	18.5	18.1	-3.5	325.4	325.6	0.0	4.8	33.5	P4.
26.3	e6. 3	8926.7	325.0	-36.4	-61.7	284.4	18.6	18.0	-4.6	326.4	326.6	0.0	5.3	35.0	85.
27.6	50.9	9477.5	300.0	-40.3	99.9	292.5	16.0	14.8	-6.1	328.5	999.9	99.9	999.9	36.0	86.
29.2	95.4	10064.8	275.0	-45.3	99.9	284.1	13.2	12.8	-3-2	329.6	999.9	99.9	999.9	37 • 3	87.
31.1	100.2	10692.8	250.0	-50.9	99.9	259-1	15.0	14.7	2.8	330.4	999.9	99.9	999.9	38.9	87.
33.1	105.2	11376.7	225.0	-56.3	99.9	268.7	12.6	12.6	0. 3	332.2	999.9	99.9	99 9. 9	40.5	
34.9	110.7	12108.8	200.0	-61.9	99.9	281.5	11.7	115	-2.3	334.€	999.9	99.9	999.9	41.4	87.
36.8	116-3	12925.1	175.0	-66.0	99.9	273.4	21.6	21.5	-1.3	341.0	999.9	99.9	999.9	43.4	87•
39.3	123.0	13872.6	150.0	-61.2	59.9	289.3	28.9	27.3	-9.6	364.7	999.9	99.9	999.9	47.6	88.
42.4	125-8	15006-4	125.0	-62.0	99.9	268.2	25.0	25.0	0.8	382.7	999.9	99.9	999.9	52.1	89.
46.1	137.0	16381.7	100-0	-63.7	99.9	282-1	17.3	16.9	-3.6	404.6	999.9	99.9	999.9	58.1	91.
51.3	144.7	18137.0	75.0	-64.2	99.9	300-1	2.8	2.4	-1.4	438.3	999.9	99.9	999.9	61.3	92.
59.2	153.0	20651.8	. 50.0	-60.8	99.9	999.9	99.9	99.9	99.9	500.2	999.9	99.9	999.9		
99.9	99. 9	99•9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	9990

<sup>•</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG • BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED •• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327 NASHVILLE, TENN

158 15. PRES TEMP DEW PT DIR SPEED E POT T MX RTO DH RANGE: AZ TIME CNTCT HE I GHT U COMP V CEMP POT T M/SEC DG K GM/KG PCT MIN GFM MB DG C DG C DG M/SEC M/SEC DG K KM DG 5.2 180.0 991.4 24.3 19.8 190.0 3.2 0.6 3.2 300.2 339.5 14.9 76.0 0.0 0. 0.0 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9.999. 99.9 302.0 340.7 71.1 0.3 0.5 6.5 326.9 975.0 24.7 19.1 307.9 3.8 3.0 -2.4 14.5 42. 950 . 0 17.3 213.9 14.3 8.0 11.9 30306 339.3 13.2 65.3 0.0 46. 1.3 8.7 555.2 24.3 9.5 2.2 10. 3 788.4 925.0 22.1 15.5 230.0 14.8 11.4 303.5 336.2 12.1 66.3 1.5 42. 900.0 14.3 237.8 15.1 12.8 303.8 335.0 11.5 69.3 2.1 46. 2.9 13.1 1026.1 20.1 8.1 875.0 13.5 237.3 17.2 14.5 303.9 334.4 11.2 75.2 2.8 49. 3.7 15.3 1269.1 17.9 9.3 333.3 10.9 17.5 850.0 12.6 241.7 19.3 17.0 9.2 303.7 83.4 3.6 51. 4.4 1516.7 15.4 73.1 20.0 1769.8 825.0 14.1 9.3 259.9 19.8 19.5 3.5 304.7 329.4 9.0 4.0 55. 5.3 327.5 7.8 67.0 5.5 272.0 17.2 17.2 305.7 60. 6.2 22.2 2029.7 800.0 12.7 6.8 -0.6 4.5 -2.8 306.1 325.4 65.8 č• 2 7.1 24.7 2295.8 775.0 10.6 279.5 16.8 16.5 6.8 66. 7.9 280.3 15.8 -2.9 307.1 326.4 6.8 71.1 6.9 70. 27,0 2568.4 750.0 8.9 3.9 16.0 307.7 327.0 79.4 7.7 73. 8.9 29.6 2548.7 725.0 6.7 3.4 279.8 16.3 16.1 -2.8 6.8 9.8 32.2 3136.5 700.0 5.0 1.8 280.1 17.3 17.1 -3.0 308.8 326.7 6.3 80.1 5.6 76. 3432.5 675.0 2.5 -0.1 278.4 19.6 19.4 -2.9 309.2 325.4 5.6 82.5 9.5 79. 10.8 34.9 310.4 322.9 4.2 67.9 10.7 91. 11.8 37.6 3737.5 650.0 0.8 -4.4 280.1 20.7 20.3 -3.6 310.9 320.5 12.1 276.7 -3.4 3.2 58.9 93. 12.9 4 C. 3 4051.5 625.0 -1.7 -8.7 22.2 21.9 13.8 14.2 43.0 4375.0 600.0 -4.2 -12.0 280.2 22.9 22.5 -4.0 311.6 319.4 2.5 54.2 85e 15.2 312.6 316.5 29.7 B7. 15. 3 46.0 4709.5 575.0 -6.4 -21.2 280.1 22.8 22.5 -4.0 1.2 314.4 316.7 18.2 16.8 Bt. 49.0 5055.8 550.0 -8.2 -28.1 280.6 24.5 24.0 -4.5 0.7 16.5 0.6 17.4 18.9 30. 525.0 -9.3 -29.5 283.9 29.4 28.6 -7.1 317.3 319.4 17.8 51.9 5416.9 322.8 0.8 22.0 21.3 91. 19.1 55.0 5793.4 500.0 -10.5 -28.1 280.8 29.7 29.2 -5.5 320.2 20.5 56.1 6186.1 475.0 -13.4 -30.4 278.3 28.1 27.9 -4.1 321.4 323.6 0.6 22.2 23.5 92. 22.0 61.6 6594.8 450.0 -17.1 -33.5 277.0 26.9 26.7 -3.3 321.7 323.4 0.5 22.4 26.0 72. 24.1 -4.4 322.5 324.0 0.4 24.6 28.2 93. 23.4 £5.0 7020.7 425.0 -20.6 -35.6 200.2 24.5 68.4 7465.7 400.0 -24.5 -37.0 282.6 24.6 24.0 -5.4 323-1 324.5 0.4 30.1 30.4 93. 25.0 323.6 324.6 0.3 30.1 32. 4 94. 25.3 72.0 7931.6 375.0 -28.7 -40.7 286·3 24.6 23.7 -6.9 325.7 0.2 27.2 34.8 95. 27.9 75.9 8421.9 350.0 -32.4 -44.9 278.1 27.5 27.2 -3.9 325.0 79.8 326.9 0.1 25.4 37.4 95. 29.5 8939.7 325.0 -36.4 -49.1 27406 26.5 26.4 -2.1 326.4 327.6 999.9 99.9 999.9 40.6 95. 9489.1 300.0 -41.0 99.9 272.0 25.5 25.5 -0.9 31.4 83.8 33.9 10075.1 275.0 -45.6 99.9 269.2 20.5 20.5 0.3 329.2 999.9 99.9 999.9 44.2 94. 88.2 330.4 999.9 99.9 999.9 47.4 94. J6.5 93.0 10702.9 250.0 -50.9 99.9 259.6 22.9 22.5 4. 1 39.1 98.0 11381.4 225.0 -55.7 99.9 251.6 23.3 22.1 7.3 333.2 999.9 99.9 999.9 50.8 92. 41.8 103.3 12119.6 200.0 -62.4 99.9 252.2 26.6 25.3 8. 1 333.9 999.9 99.9 999.9 54.5 71. 109.3 12933.5 175.0 99.9 263.3 34.8 34.6 4.1 339.2 999.9 99.9 999.9 60.2 90. 44.9 -67.1 115.5 13881.7 150.0 -58.3 99.9 276.1 36.5 36.3 -3.9 369.7 999.9 99.9 999.9 68. 7 90. 45.8 122.7 387.7 999.9 99.9 999.9 76.3 50. 53.1 15034.3 125.0 -59.3 99.9 253.0 27.7 26.5 8. 1 130.8 16414-4 100.0 -62.1 99.9 265.7 18.8 18.8 1.4 407.7 999.9 99.9 999.9 83.9 99. 58.2 270-1 -0.0 440.3 999.9 99.9 999.9 86.3 904 64.5 139.3 18174.6 75.0 -63.3 99.9 5.2 5.2 90.0 99.09 999.9 90. 73.4 148.7 20692.6 50.0 -59.3 99.9 285.5 2.H 2.7 -0.7 503.8 999.9 90.3 999.9 99.9 999.9 92. 158.3 25145.9 25.0 -49.1 99.9 347.5 1.4 -6.J 644.0 87.5 6.4

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>#</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPCLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN & DEG

STATION NO. 340 LITTLE ROCK. ARK

165 19. 0

							4444						-		-
TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	5. 9	79.0	1001.7	28.3	19.5	210.0	4.6	2.3	4.0	303.3	342.0	14.4	59.0	0.0	0.
0.1	6.0	94.1	1000.0	28+5	20.1	201.3	6.8	2.5	6.3	303.7	344.0	15.0	60.4	0• 2	28.
8.0	e.3	319.5	975.0	27.4	18.2	198.2	7.2	2.2	6.8	304.6	341.5	13.7	57.4	0.3	26.
1.5	10.6	548.9	950.0	24.7	16.3	201.8	8.6	3.2	7.9	303.9	337.5	12.4	59.8	0.6	21.
2.3	12.9	782.2	925.0	22.5	15.1	213.7	11.0	6-1	9.1	363.9	335.8	11.7	62.8	1.1	24.
3.2	15.2	1020.4	900-0	20.4	14.7	219.2	12.2	7.7	9.4	304.1	336.3	11.8	70.0	1.7	29.
4-1	17.5	1263.5	875.0	18.1	14.0	224.6	13.1	9.2	9.3	304.2	335.7	11.6	76.6	2.4	32.
5.0	20.1	1511.5	850.0	16.0	12.7	227.3	15.1	11.1	10.3	304.4	334.3	10.9	80.5	3. 2	36.
5.8	22.4	1765.3	825.0	13.9	11.8	230.2	16.3	12.5	10.4	304.8	333.9	10-6	86.9	3. 9	38.
6.7	25.0	2024.7	800.0	12.3	9.2	237.7	15.3	12.9	8.2	305.5	331.0	9.2	81.6	4.7	41.
7.8	27.4	2290.9	775.0	10.7	7.4	240.8	15.7	13.7	7.7	306.4	329.9	8.4	80.1	5.7	45.
8.9	30.1	2563.9	750.0	8.8	6.0	235.8	15.3	12.7	8.6	307.1	329.3	7.9	82.7	6.5	47.
9.3	32.9	2844.2	725.0	8.2	-3.0	227.6	15.0	11.1	10.1	309.0	321.7	4.3	46.0	7.5	47.
10.7	35.5	3135.0	700.0	8.9	-11.1	2 32.0	12.7	10.0	7.8	312.6	319.8	2.3	23.1	6.3	47.
11.7	38.4	3434.7	675.0	7.0	-15.9	246.4	11.8	10.8	4.7	313.6	318.8	1.6	17.7	9.0	48.
12.8	41.1	3743.3	650.0	4.7	-17.5	250.8	12.5	11.5	4.1	314.4	319.1	1.5	18.1	9. 7	50.
13.9	44.1	4061.2	625.0	1.8	-17-1	245.8	14.7	13.4	6. 1	314.7	319.7	1.6	22.9	10.6	51.
15.1	47. 3	4388.6	600.0	-1.1	-17.6	241.4	17.0	14.7	8.1	315.0	320 . 1	1.6	27.3	11.6	53.
16.1	50. 3	4726.5	575.0	-3.7	-14.8	242.2	19.3	17.0	9.0	315.9	322.5	2.1	41.7	12.8	53.
17.3	53.4	5075.7	550.0	-6.9	-16.6	246.5	19.4	17.8	7.7	316.1	322.1	1.9	46.1	14.1	54.
18.4	56. 6	5436.9	525.0	-9.5	-16.6	251.9	22.1	21.0	6.9	317.2	323.5	2.0	56.0	15.4	56.
19.6	60.0	5811.5	500.0	-13.0	-17.4	256.3	23.8	23.1	5.6	317.4	323.6	1.9	69.5	17.1	57.
20.9	63.6	6200.3	475.0	-16.5	-20.3	261.6	26.4	26.1	3.8	317.7	322.9	1.6	72.5	18.8	60,
22.3	67.0	6605.9	450.0	-17.6	-49.3	259.8	24.8	24.4	4.4	321.1	321.4	0.1	4.3	20.9	62.
23. 5	70.6	7031.1	425.0	-21.1	-50.9	255.3	25.5	24.7	6.5	321.8	322.1	0.1	4.8	23.0	63.
25.4	74.5	7475.1	400.0	-25.1	-52.9	258.5	2J.8	23.3	4.7	322.3	322.6	0.1	5.4	25. 4	65.
27.0	78.5	7940.6	375.0	-28.8	-52.9	260.0	24.8	24.4	4.3	323.4	323.7	0.1	7.7	27. 7	6€.
28.9	82.6	8430.2	350.0	-32.7	-55.4	258.6	28.3	27.7	5.6	324.5	324.8	0.1	8.3	30.4	67.
30.6	€6. B	8948.1	325.0	-36.8	-51.0	267.7	30.4	30.4	1.2	325.9	326.3	0.1	21.5	33.7	69.
32.7	91.4	9497-1	300.0	-41.4	99.9	266.7	34.6	34.6	2.0	327.1	999.9	99.9	999.9	36.9	71.
34 • 8	96.0	10081.9	275.0	-45.7	99.9	271.9	26.8	26.8	-0.9	329.1	999.9	99.9	999.9	41.3	72.
37.2	101.0	10709.5	250.0	-50.6	99.9	267.9	36.5	36.5	1.3	330.9	999.9	99.9	999.9	45. 5	74.
39.7	106.4	11389.1	225.0	-55.5	99.9	271.3	42.1	42.0	-1.3	333.5	999.9	99.9	999.9	51.4	76.
42.2	112.0	12129.9	200.0	-61.1	99.9	268.2	41.6	41.8	1.3	336.0	999.9	99.9	999.9	57.5	77.
45.4	118.3	12951-1	175.0	-63.6	99.9	271.4	37.1	37.1	-0.9	344.9	999.9	99.9	999.9	65. 1	79.
48.9	125.0	13902.7	150.0	-61.3	99.9	262.1	39.2	38.8	5.4	364.5	999.9	99.9	999.9	73.4	80.
53.4	132.3	15035.7	125.0	-61.7	99.9	270.3	39.4*	39.4	-0.2	383.3	999.9	99.9	999.9	82.1	81.
58.9	140.0	16416.4	100.0	-61.8	99.9	280.1	22.9*	22.5	-4.0	408.3	999.9	99.9	999.9	92.4	81.
65.0	148.0	18177.5	75.0	-65.7	99.9	273.6	14.5=	14.5	-0.9	435.1	999.9	99.9	999.9	97.1	82.
73.6	157.0	20671.9	50.0	-59-1	99.9	20.5	5.4	-1.9	-5.1	504.3	999.9	99. 9	999. 9	100.5	53.
86.6	166.5	25111.0	25.0	-50.9	99.9	20.6	3.7	-1.3	-3.5	638.6	999.9	99.9	999.9	102.2	85.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 349 MONETTE: MO

### 24 APRIL 1975 2315 GMT

146

35. 0

TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO QH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SF C DG K DG K GM/KG PCT KM DG 438.0 958.0 23.8 19.1 160.0 5.2 -1.8 4.9 302.6 341.9 14.7 75.0 0.0 0. 0.0 8.4 999.9 999.9 999. 99.9 95.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99. 9 99.9 99.9 999.9 0.2 353. 303.9 346.0 77.1 0.2 9.2 511.8 950.0 24.2 19.9 183.8 6.9 0.5 6.9 15.7 0.4 358. 1.0 11.3 746.4 925.0 23.1 21.9 189.2 7.4 1.2 7.3 305.4 354.4 18.3 93.5 0.9 304.7 345.5 G. 965.6 900.0 204.5 3.8 8.4 15.2 88.6 1.9 13. 6 20.5 18.5 9.2 15. 1229.2 875.0 18.8 17.2 211.6 9.9 5.2 8.5 305.2 343.9 14.3 90.5 1.4 2.8 15.3 7.9 305-6 341.0 13.0 90.8 1.9 22. 1472.1 850.0 16.9 15.3 224.3 11.0 7.7 3.7 18.1 338.4 91.9 .2.5 20.5 1732.7 825.Q 14.8 13.5 226.5 12.1 8.5 8.3 305.8 11.9 28. 4.6 1993.0 12.7 10.8 306.1 335.3 10.6 91.1 3. 1 32. 5.5 22.8 800.0 11.3 230.8 8.3 6.8 775.0 5.7 306.1 331.9 9.3 91.3 3.8 36. 6.6 25.3 2259.1 10.3 8.9 239.2 11.1 9.5 306.8 330.5 91.2 4. 9 43. 8.2 27.7 2531.9 750.0 8.4 7.1 248.1 14.0 13.0 5.2 8.5 7.5 53. 11.5 30.3 2811.5 725.0 5.9 5.2 252.1 14-6 13.9 4.5 306.9 328.6 7.7 95.2 32.9 3098.9 700.0 3.8 251.1 16.7 15.8 5.4 308.2 328.6 7.2 96.2 8.6 56. 12.3 4.3 13.8 35.5 3394.9 675.0 2.6 2.0 250.7 14.0 17.3 6.2 309.4 328.3 6.6 95.7 9. 7 57. 38.1 3699.7 650.0 0.7 -0.1 249.5 19.4 18.1 6.3 310.5 327.5 5.9 94.1 10.6 59. 14.6 40. 3 324.1 83.0 11.5 59. 15.4 4014.1 625.0 -1.8 -4.3 249.3 19.4 18.2 6.9 311.0 4.5 600.0 -4.2 -8.7 248.6 20.9 19.4 7.6 311.6 321.6 3.3 71.1 12.4 60. 16.2 43.5 4337.5 319.6 66.3 14.2 61. 17.4 46.5 4671.6 575.0 -7.3 -12.5 243.2 25.9 23.2 11.7 311.8 2.6 319.5 2.2 64.9 16. I 61. 5016.7 -9.7 -15.0 242.5 26.4 23.4 12.2 312.8 18.6 49,5 550.0 314.2 320.0 1.8 63.7 17.7 61. 19.7 52.4 5374.8 525.0 -12.0 -17.5 244.6 22.9 20.7 9.8 22.8 5.7 316.6 322.0 1.7 62.6 19.5 62. 21.3 55. ŝ 5747.6 500.0 -13.6 -19.2 256.1 23.5 23.1 58.5 6136.1 475.0 -16.1 -21.7 256.0 24.5 23.8 5.9 318.2 322.5 1.4 61.8 22.4 64. 22.9 319.2 322.9 1.1 59.9 24.5 65. 24.6 62. 3 6541.0 450 . 0 -19.2 -24.9 248.3 24.7 9.1 26.5 65.4 6964.2 425.0 -22.3 -28.0 253.3 26.9 25.7 7.7 320.5 323.5 0.9 59.4 27.5 65. 28.1 68.9 7406.3 400.0 -26.2 -31.9 249.9 26.5 24.9 9.1 321.0 323.2 0.7 5842 30.1 66. 375.0 -30-0 -35-6 241.2 28.8 25.2 13.8 321.8 323.5 0.5 57.7 32.8 66. 29.9 72.4 7869.6 31.6 322.3 323.4 0,3 56.5 36.2 65. 76.3 **8356.6** 350.0 -34.4 -40.0 239.1 30.6 26.2 15.7 8870.6 325.0 -38.7 99.9 242.4 30.8 27.3 14.3 323.3 999.9 99.9 999.9 40-1 65. 33.8 80.4 300.0 99.9 999.9 99.9 999.9 45.2 36.6 24.5 9415.0 -42-2 250.5 29.2 27.5 9.7 325. 9 65. 999.9 999.9 45.6 9998.9 99.9 256.6 31.4 30.6 7. 2 327.6 99.9 56. 38.7 88.8 275.0 -46.7 327.6 999.9 99.9 999.9 52. € 67. 40.6 93.6 1062246 250.0 -52.8 99.9 259.4 32.1 31.6 5.9 327.2 999.9 99.9 999.9 57.3 68. 42.9 98.4 11291.0 225.0 -59.6 99.9 258.4 38.4 37.6 7.7 999.9 46.1 103.9 12027.4 200.0 -60.7 99.9 256.2 43.1 \* 41.9 10.3 336.7 999.9 99.9 65. J 69. 259.1 50.8\* 49.9 9.6 345.3 999.9 99.9 999.9 75.7 70. 50.3 109.8 12852.1 175.0 -63.4 99.9 56.2 115.6 13799.8 150.0 -61.6 99.9 266,8 36.8\* 36.7 2.0 363.9 999.9 99.9 999.9 88.0 72. 999.9 63.9 123. J 14932.4 125.0 -61.2 99.9 268.6 27.5\* 27.5 9.7 384.2 999.9 99.9 99.8 74. 71 . 5 131.0 16312.2 100.0 -63.8 99.9 255.6 23.3\* 22.5 5.8 404.4 999.9 99.9 999.9 115.4 75. 11.6\* 11.3 -2.9 435.9 999.9 99.9 999.9 128.7 76. 82.4 139.3 18090.2 75.0 -65·3 99.9 284.5 148.5 99.9 257.2 8.3+ 8.1 1.8 499.4 999.9 99.9 999.9 134.4 78. 99.0 20576.5 50.0 -61.2 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99. 3 99.9 25.0

\* EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363

150 13. TIME HE I GHT PRES CNTCT TEMP DEW PT DIR SPEED U COMP V COMP POT T E POT T MX RTO RH RANGE AZ MIN GFM DG C DG C MB DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 12.8 1095.0 886.6 24.4 2.5 20.0 6.2 -2.1 -5.8 308.7 323.7 5.2 24.0 0.0 G. 99.9 59.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99. 3 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 950.0 99.9 59.9 999.9 95.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 9. 999. 99.9 99.9 99.9 c9.9 925.0 99.9 99.9 999.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 900.0 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 0.4 13.9 1209.9 875.0 22.7 0.5 37.2 4.5 -2.7 -3.6 308.0 321.2 4.6 23.1 0.2 207. 1.3 15.3 1460.6 850.0 19.7 -0.4 42.3 4.7 -3.2 307.4 320.1 -3.5 4.4 25.8 0.4 214. 1716.1 2.4 17.9 825.0 17.1 -1.2 59.6 5 . 6 -5.0 -2.9 307.2 319.6 4.2 28.6 0.7 222. 1977.3 3.3 20.1 800.0 14.7 -2.6 55.9 3.2 -2.7 -1.8 307.4 318.9 3.9 30.1 1.0 227. 22.2 775.0 4.2 2244.6 12.1 -3.7 52.9 2.3 -1.9 -1.4 307.3 318.3 3.8 33.1 1.1 226. 24.5 750.0 5. 2 2518.0 -4.0 9.6 28.8 1.7 -0.8 -1.5 307.5 318.6 3.8 37.8 1.2 227. 26.6 2798.3 725.0 6.1 7.4 -6.2 167.0 1.9 -0.4 1.9 308.0 317.8 303 37.2 1.2 229. 7.0 29.0 3085.7 700.0 4.9 -7.4 206.1 3.5 1.5 3.1 308.3 317.7 3. 1 40.5 1.1 233. 8.0 31.5 3390.8 675/0 1.9 -B.5 224.7 5.9 4.2 4.2 308.1 317.1 3.0 46.0 0.8 239. 9.1 34.0 3683.7 650.0 -10.2 -0.8 234.7 7.4 6.0 4.3 308.3 316.5 2.7 46.9 0.4 250. 10.3 36.3 3997.5 625.0 -0.4 -24.5 259.3 11.2 11.0 2. 1 312.1 314.9 0.8 14.1 0.3 52. 11.4 39.0 4322.1 600.0 -27.4 -3.0 269.8 14.1 14.1 0.0 312.7 314.9 0.7 13.1 1.1 81. 12.3 41.5 4658.1 575.0 -4.6 -27.5 271.4 16.4 16.4 -0.4 314.7 317.0 0.7 14.6 1.9 86. 13.1 550.0 -7.6 44.1 5006.0 -25.4 270.9 17.7 17.7 -0.3 315.2 318.1 0.9 22.3 2.8 87. 14.3 47.0 5365.7 525.0 -11-0 -27.1 272.8 18.3 18.2 -0.9 315.2 317.8 0.8 25.1 4.0 88. 15.7 5739.1 -13.6 49.9 500.0 -34.9 282.6 17.9 17.4 -3.9 316.5 317.9 0.4 14.5 5.5 91. 17.5 52. 5 6126.8 475.0 -16.3 -38.7 292.1 17.4 16.1 -6.5 317.7 318.7 0.3 12.4 7.4 95. 17.2 55. 0 6531.0 450.0 -19.7 -41.5 297.2 17.9 16.0 -8.2 318.4 319.2 0.2 12.3 9.0 99. 20 . 7 59.0 6952.3 425.0 -23.2 -44.1 291.5 20.2 18.8 -7.4 319.2 319.8 0.2 12.6 10.7 102. 22.2 62.4 7393.0 400.0 -27.2 -47.1 288.6 20.6 19.5 -6.6 319.6 320.1 0.1 12.9 12.5 103. 7854.0 23.7 65.9 375.0 -31.4 -50.3 282.7 22.3 21.8 -4.9 320.0 320.4 0.1 13.3 14.5 103. 25.2 **69.5** 9338.9 321.2 16.5 193. 350.0 -35.4 -53.5 280.5 22.2 21.9 -4.1 320.9 0.1 13.7 27.0 73.2 8650.6 999.9 99.9 999.9 19.0 102. 325.0 -39.3 99.9 276.4 26.2 26.0 -2.9 322.5 29.0 77.3 9396.2 300.0 99.9 270.4 999.9 99.9 999.9 22.2 101. -41.6 28.0 28.9 -0.2 326.8 31.1 81.4 9981.9 329.4 999.9 99.9 999.9 26.0 275.0 -45.5 99.9 271-1 34.0 34.0 -0.6 99. -49.8 33.2 85. a 10611-1 250.0 99.9 275.5 42.1 41.9 -4.0 332.1 999.9 99.9 999.9 30.7 98. 35.6 90.5 11295.4 336.9 999.9 99.9 999.9 37.1 99. 225.0 -53.3 99.9 281.9 41.7 40.8 -8.6 999.9 999.9 38.1 96.0 12046.4 200.0 -58.2 99.9 259.1 29.6 29.1 5.6 340.6 99.9 42.4 98. 40.5 101.5 12878.6 175.0 -62.8 99.9 257.6 38.6 37.7 8.3 346.3 999.9 99.5 999.9 47.5 96. 43.9 108.0 13837.5 150.0 -57.2 59.9 271.4 32.8 32.8 -0.8 371.6 999.9 99.9 999.9 54. 8 95. 47.7 115.3 14986.2 -59.5 99.9 387.3 999.9 99.9 999.9 61.7 93. 125.0 260.3 30.1 29.7 5.0 100.0 99.9 28.4 405.2 999.9 99.9 999.9 92. 52.3 123.7 16367.9 -63.4 269.6 28.4 0.2 68.4 999.9 999.9 133.7 18139.0 75.0 273.6 445.9 99.9 76.5 92. 58.3 -60.6 99.9 24.1 24.0 -1.5 999.9 999.9 92. 20672.9 -58.7 263.0 7.0 0.9 505.2 99.9 80.1 65.6 144.5 50.0 99.9 6.9

-49.7

99.9

340.8

25.0

77.6

156.0

251 38.5

100

3. 1

-8.8

641.9

999.9

99.9

999.9

83.2

93.

9.3

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE DETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 402 WALLOPS ISLAND, VA

24 APRIL 1975

	2315 G	WT.					1:	53 40s	0
DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ÁZ
DG	M/SEC	M/SEC	M/SFC	DG K	DG K	GM/KG	PCT	KM	DG
000-0	00-0	00.0	66.0	287.2	308 -A	8.2	83.0	969-9	200-

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	ÁZ	
MIN	_	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SFC	DG K	DG K	GM/KG	PCT	KM	DG	
											700 4		43.0	000.0	000	
0.0	4.8	4.0	1011.0	13.9	11.1	999.9	99.9	99.9	95.9	287.2	308 • 4	8•2	83.0	999.9		
0.4	5. 5	97.2	1000.0	16.3	13.1	999.9	99.9	99.9	<b>99.9</b>	290.7	315.5	9.6	81.1	999. 9		
1.2	7.6	315.4	975.0	21.8	13.0	99909	99.9	99.9	99.9	298.4	324.5	9.7	57.5	999. 9		
1.9	9 <b>.</b> 9	541.0	950+C	21.3	12.2	999.9	99.9	90.9	99.9	3CO. 1	325.6	9.5	56.1	999. 9		
2.8	11.9	771.4	925.0	19.1	10.7	999.7	99.9	99.9	99.9	300.1	323.9	8.8	58.3	999.9		
3.7	14.2	1006.4	900.0	1700	9.9	999.9	99.9	99.9	99.9	300.2	323.4	8. 5	62.9	999. 9		
4.6	16.3	1246.1	875.0	14.8	9.3	999.9	99.9	99.9	99.9	300.2	323.3	8.5	69.9	999.9		
5.5	18.6	1491.0	850.0	12.9	8 - 5	999.9	99.9	99.9	99 <b>.</b> 9	300.8	323.7	8.4	75.9	<b>999.</b> 9		
6.4	20.5	1741.6	825.0	11.1	8.5	999.9	99.9	99.9	99.9	301.5	324 • 6	8.5	83.7	999.9		
7.4	23. 3	1998.7	800.0	10.4	5.5	999.7	99.9	99.9	99 <b>.</b> 9	303.2	323.0	7.1	71.5	999.9		
8•4	25.7	2263 <b>.</b> 3	775.0	9.6	4.4	999.7	99.9	99.9	99.9	305.0	324 • 1	6 • 8	70.1	999. 5		
9.5	28.1	2535.2	750.0	8.6	3 • 3	999.0	99.9	99.9	99. 9	306.7	325 . 1	. 6.5	69.4	999.9		
10.6	30.7	2815.3	725+0	7.0	-1.4	999.9	99.9	99.9	99. 9	307.8	321.6	4.8	55.2	<b>999.</b> 9	979.	
11.7	3.79 ♦	3103.1	700.0	5.0	-2.7	999.9	199.9	99.9	99•9	308.6	321.7	<b>*•5</b>	57.3	999• 9	999.	
12.8	35. 9	3399.3	675.0	3.5	-4.1	999.9	. 99.9	99.9	99.9	310.1	322.5	4.2	57.4	999.9		
13.9	J8. 7	3704.6	650.0	1.1	-5.2	999.9	99.9	99•9	99.9	310.7	322.6	4.0	63.0	999. 9	999.	
14.9	61.3	4019.3	625.0	-1.2	-4.2	995.9	99.9	99.9	99.3	311.6	324.9	4.5	80.3	999. 9	999.	
16.1	44.3	4344.1	600.0	-2.7	-8.1	999. 1	99.9	99.9	99.9	313.4	323.8	3.5	66.4	993.9	999.	
17.2	47. 3	468C.7	575.0	-4.8	-5.5	999.9	99.9	99.9	99.9	314.e	327.8	4.3	93.0	999• 9	999.	
19.3	50.3	5029.0	550.0	-7.7	-8.6	995.9	99.9	99.9	99.9	315.4	326.5	3.6	93.3	999. 9	999.	
19.4	53.4	5389.2	525.0	-10.7	-12.6	999.9	99.9	97.9	99.9	315.8	324.4	2.8	85.9	999.9	999.	
20.7	56.5	5762.5	500.0	-13.7	-19+2	999.9	99.9	94.9	99.9	316.4	` 321 • 8	1.7	63.3	999. 9	999.	
22.0	55.9	6151.2	475.0	-15.2	-27.2	999.9	99.9	99.9	99.9	319.2	322.1	0.9	34.8	999.9	999.	
23.5	63.4	6557.2	450.0	-18.6	-29.7	999.9	99.9	99.9	99. 9	319.9	322.6	0.8	40.7	999. 9	933.	
24.9	66.9	6980.7	425.0	-21.9	-23.3	999.9	99.9	99.9	99.9	321.1	325.6	1.4	68.8	999. 9	999.	
26.4	70.4	7426+8	400.0	-23.1	-27.7	999.4	99.9	99.9	<b>99.</b> 9	325.0	328.4	1.0	65.8	999.9	999.	
27.9	74.2	7896.0	375.0	-27.0	-32.0	999.9	99.9	99.9	99.9	325.8	328.2	0.7	62.7	995. 9	999.	
29.5	78. 3	8389.4	350.0	-31.0	-32.5	999.9	99.9	99.9	59.9	326.9	329.4	0.7	86.9	999.9	999.	
31.3	65.4	8910.4	325.0	-35.3	-37.A	999.9	99.9	99.9	99.9	327.9	329.6	0.4	78.0	999.9	999.	
33.1	86.7	9463.0	300.0	-39.7	99.9	999.4	99.9	99.9	99.9	329.4	999.9	99.9	999.9	395.9	979.	
35.0	91.4	10051.4	275.0	-44.9	99.9	995.4	99.9	99.9	99.9	330.2	999.9	29.9	995.5	999.9	999.	
36.7	96.3	10680.2	250.0	-50.9	99.9	999.9	99.9	99.9	99.9	330.4	999.9	99.9	999.9	999.9	939.	
39.1	101.4	11350.4	225.0	-57.2	99.9	999.9	99.9	99.9	99.9	330.9	999.9	99.9	999.9	999. 9	999.	
41.5	107.3	12083.6	200.0	-64.1	59.9	999.0	99.9	99.9	99.9	331.3	999.9	99.9	999.9	999.9	999.	
4421	113.3	12896.4	175.0	-68.3	99.9	999.9	99.9	99.9	99.9	337.3	999.9	99.9	999.9	995. 9	979.	
47.0	120.0	13827.2	150.0	-65.6	99.9	999.9	99.9	99.9	99.9	357.1	999.9	99.9	999.9	999. 9	999.	
50.8	127-3	14957-2	125.0	-60.5	99.9	999.9	99.9	99.9	99.9	385.5	999.9	99.9	999.9	999.9	999.	
55.3	135.5	16346.4	100.0	-61.3	59.9	999.9	99.9	99.9	99.9	409.3	999.9	99.9	999.9	999. 9	994.	
61.1	143.7	18115.6	75.0	-66.2	99.9	999.9	93.9	99.9	59.9	434.1	969.9	99.9	999.9	995. 9	999.	
69.1	152.3	20623.0	50.0	-61.2	99.9	999.9	99.9	99.9	99.9	499.3	999.9	99.9	999.9	999.9	999.	
99.9	99. 9	99.9	25.0	99.9	99.9.	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999.9	999.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TERF MEANS TEMPERATURE OR TIME MAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 405 STERLING. VA

24 APRIL 1975 2315 GMT

							2315 6						•	O E 34	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	CIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	6.5	85.0	999.2	18.5	16.3	300.0	5.2	5.4	-3.1	293.3	323.8	11.6	87.0	G. 2	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
1.0	e. 9	295.8	975.0	17.8	15.5	311.4	12.5	9.4	-6.3	294.6	324.5	11.5	86.8	0.6	13F.
1.9	11.2	518.9	950.0	18.0	13.2	301.4	11.4	9.7	-5.9	296.8	323.5	1001	73.3	1.3	132.
2.5	13.5	747.1	925.0	16.6	12.0	279.4	10.6	10.4	-1.7	297.6	323.1	9.6	73.9		125.
3.9	16.1	980.2	900.0	14.8	11.8	260.2	9.2	9.1	1.6	298.1	324.1	9.7	81.9	2• 5	1100
4.6	18.5	1218-5	875.0	13.2	11.1	233.9	11.7	9.4	6.9	298.8	324.4	9.5	86.6	2.7	
5.4	21.1	1462.4	850.0	11.6	9.6	232.1	15.9	12.5	9. 7	299.5	323.5	8.9	87.6	3. 1	99.
6.1	23.8	1712.1	825.0	9.9	8.8	228.4	17.2	12.9	11.4	300.3	323.8	8.7	92.6	3. 6	91.
7.0	26.2	1967.6	800.0	8,3	7.4	228.4	15.0	13.4	11.9	301.0	323.3	8.1	94.2	4.3	82.
7.9	29.1	2229.9	775.0	6.9	5.1	235.4	18.3	15.1	10.4	302.2	323.3	7.6	94.3	5.3	76.
8.5	31. 3	2499.5	750.0	5.5	4.7	242.8	18.8	16.7	6 • 6	303.5	323.5	7 • 2	94.4	6.2	74.
9.7	34.6	2776.6	725.0	4.0	3.2	247.1	18.6	17.2	· <b>7 •</b> 2	304.7	323.4	6.7	94.6	7.3	72.
10.7	37. 3	3062.1	700.0	2.6	2.0	252.3	19.1	.18.2	5.8	306 <b>•</b> 3	324.3	6.3	94.5	8.3	72.
11.6	40.2	3356.2	675.0	1.0	0 . 2	256.4	18.9	19.4	4.5	307.5	324.0	5.8	94.2	9.4	7.2
12.7	43.0	3659.6	650.C	-0.0	-9.9	259.6	16.9	16.6	3.1	309.6	325,7	5.5	94.1	10.5	7.3.
13.6	46. 1	3973.6	625.0	-1.7	-2.5	262.7	18.0	17.8	2.3	311.2	326.1	5.1	93.8	11.7	74.
15.0	49.3	4298.1	600.0	-3.5	-4,4	262.2	15.3	18.1	2.5	312.6	326.3	4.6	93.6	12.9	75.
16.0	52. 1	4634.0	575.0	-5.4	-6.3	261.7	18.0	17.8	2.6	314.2	326.6	4.1	93.0	14.1	75.
17.3	55.4	4982.1	550.0	-7.5	-6.5	264.2	20.4	20.3	2.1	315.6	326.5	3.6	90.5	15.5	76.
18.5	58.6	534362	525.0	-9.7	-11.1	265.4	21.8	21.7	1.8	317.1	326.7	3.1	89.5	17. 1	77.
19.9	62.1	5718.5	500.0	-12.0	-14:5	262.4	24.0	23.8	3, 2	318.7	326.8	2.6	84.9	18.9	78.
21.4	65.6	6109.5	475.0	-14.7	-16.9	264.3	23.2	23.1	2. 3	320.0	320.8	2.1	83.4	21.0	78.
22.9	69.0	6516.8	450.0	-17.3	-19.6	265.8	24.6	24.5	1.8	321.7	327.5	1.8	82.1	23.1	79.
24.6	72.6	6542.9	425.0	-20.5	-22.7	265e3	27.0	26.9	2. 2	322.9	327.7	1.4	82.3	25.8	79.
26. 3	76.5	7388.9	400.0	-24.0	-26.8	273.9	26.5	26.5	-1.8	323.8	327.4	1.1	77.8	28.6	80.
28.2	80.4	7857.1	375.0	-27.5	-30.5	269.3	28.0	28.0	0.4	325.3	328.0	0.8	74.9	31.4	81.
30.1	84.5	8349.7	350.0	-31.4	-35.3	266.8	26.9	26.9	1.5	326.4	328 · 3	0.5	66.0	34. A	82.
32.4	ee. 5	8869.9	325.0	-35.8	-40.7	268.4	30.5	30.5	0.9	327.3	328.5	0.3	60.0	36.7	83·
34.9	93.0	9420.5	300.0	-40.4	99.9	266.0	30.4	30.3	2.1	326.5	999.9	99.9	999.9	43.4	83.
37.5	97.5	10006.9	275.0	-45.7	99.9	268.3	29.8	29.8	0.6	329.1	999.9	99.9	999.9	46.4	84.
40.6	102.3	10634.1	250.0	-51.5	99.9	267.4	32.1	32.1	1.5	329.6	959.9	99.9	999.9	54.2	84.
43.2	107.5	11309.4	225.0	-57.5	99.9	257.8	33.2	32.4	7.0	330.4	999.9	99.9	999.9	58.7	84.
46.0	113.3	12041.3	500-0	-64.5	99.9	255.5	24.0	23.2	6.0	330.6	999.9	99.9	999.9	<b>63.</b> 3	83.
49.2	119-3	12845.1	175.C	-69.6	99.9	270.0	16.9	16.9	0.0	334.7	999.9	99.9	999.9	68. 3	83.
53.5	125.8	13773.9	150.0	-64.3	99.9	. 264-1	24.1	24.0	2.5	359.4	999.9	99.9	999.9	73.4	84.
59.4	133.3	14901 . 6	125.0	-61.7	99.9	287.9	26 <b>.7</b> *	25.4	-8.2	383.3	999.9	99.9	999.5	83.1	85.
65.9	141.0	16292.3	100.0	-56.6	99.9	264.2	11-0+	10.9	1.1	414.6	999.9	99.9	999.9	99.4	87.
73.6	149.0	18067.0	75.0	-66.4	99.9	329.8	6.1	3.1	-5.3	433.8	999.9	99.9	999.9	94.4	87.
84.4	158.7	20572.5	50.0	-59.9	99.9.	265.7	3.4	3.2	-0.9	502.5	999.9	99.9	999.9	95. B	89.
101.0	169.0	24942.0	25.0	-54.7	99.9	999.9	99.9	99.9	59.9	627.5	999.9	99.9	999.9	999. 9	999.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

EN TERF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATIUN NU. 425 HUNTINGTON: NVA

139

46.

PRES TEMP CEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT MEIGHT GPM DG C DG C M/SEC M/SEC M/SEC DG K DG K GM/KG PCT K4 OG MIN MD DG 293.4 323.9 11.8 93.0 0.0 0. 310.0 -2.1 0,0 7.3 246.0 982.8 17.2 16.1 3.2 2.5 999.9 99.9 99969 999.9 995. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99. 5 99.9 1000.0 99.9 -5.4 293.7 324.1 11.7 93.4 G. 1 115. 0.3 7.9 314.2 975.0 16.9 15.8 311.3 8.2 6.1 94.4 0.4 131. 14.9 304.4 -4.4 294.7 324.3 11.3 1.0 10.1 536.0 950.0 15.8 7.8 6.4 295.7 324.0 94.8 C. 8 121. 285.5 -2.2 10.8 1.9 12.1 762.7 925.0 14.6 13.5 8.3 8.0 278.7 296.7 323.8 10.2 94.0 1.3 113. 994.7 900.0 13.5 12.5 11.9 11.7 -1.8 2.8 14.3 324.3 9.7 91.6 1.8 105. 273.2 -C.6 298.3 3. 6 16.4 1232.3 875.0 12.7 11.4 10.6 10.6 269.2 259.2 323.9 9.1 91.4 2. 4 134. 4.4 18.7 1475.8 850.0 11.3 10.0 14.9 14.9 0.2 825.0 271.0 -0.3 300.7 324.5 8.8 91.1 3.1 101. 5.1 20. 5 1725.5 10.3 9.0 14.7 14.7 90.5 324.7 3.9 95. 23.3 1981.8 800.0 9.2 7.7 272.6 15.5 15.5 -0.7 302.0 8.3 6.1 775.0 90.2 97. 25.5 2244.9 7.5 6.0 269.0 17.9 17.9 0.3 302.8 323.8 7.6 5.0 7.2 27.9 2514.4 750.0 5.2 3.9 270.4 19.3 19.3 -0.1 303.1 321.9 6.8 91.1 6.4 95 8.4 30.5 2791.0 725.0 2.1 276.1 20.0 19.9 -2.1 304.0 321.3 6.1 90.7 7.7 95. 9.6 3.4 3075.4 700.0 1.9 0.5 279.9 22.0 21.7 -3.8 305.3 321.4 5.7 90.6 9.2 45. 33.1 10.7 -4.5 306.9 322.3 90.4 10.5 96. 3368.7 675.0 0.5 -0.8 281.0 23.6 23.1 5.4 11.5 35.5 3671.5 -0.9 -2.0 278.9 23.8 23.5 -3.7 308.6 323.4 5.1 92.2 12.2 97. 12.9 36. 1 650.0 -2.0 310.7 325.0 4.9 92.8 13.7 97. 4C.7 3984.6 625.0 -2.1 -3.1 275.1 22.6 22.5 14.0 43.4 4308.6 600.C -3.5 -4.5 271.3 19.3 19.2 -0.4 312.6 326.2 4.6 92.6 15.1 96. 15. 1 314.6 327.2 92.0 16.2 :96 • 16.1 46.3 4644.7 575.0 -5.1 -6.1 269.8 18.2 18.2 0.1 4.2 4992.6 550.G -8-1 -10.9 273.4 20.7 20.7 -1.2 314.9 324.1 3.0 79.7 17.4 ~9ۥ 17.2 45.3 315.1 319.9 1.5 47.6 19.0 95. 18.4 51.9 5352.1 525.0 -11.2 -20.2 274.0 22.0 21.9 -1.5 -3.0 318.3 0.4 15.4 20.4 96. 19.5 55.0 5720.6 500.0 -13-3 -34.1 277.9 21.9 21.7 316.9 20.7 58. Q 6114.0 475.0 -14.9 -29.2 279.9 23.9 23.0 -4.1 319.5 321.9 0.7 28.4 22.1 94. 21.9 6520.8 450.0 -18.3 -30.7 283.1 25.7 25.0 -5.8 320.2 322.5 0.7 32. B 23.9 35. 61.3 6945.2 425.0 -21.0 -41.7 265.0 26.4 25.5 -6.9 322.0 322.8 0.2 13.8 25.9 97. 23.2 64.4 24.4 324.4 4.5 27.9 97. 67.6 7390.8 400.0 -23.7 -53.4 284.1 30.2 29.3 -7.4 324.1 0.1 25.7 70.9 7858-7 375.0 -27.4 -55.5 283.7 32.3 31.4 -7.7 325.2 325.4 0.1 4.9 30.3 96. 325.8 0.0 5.3 32.8 38. 27.0 74.6 8350.9 350.0 -31.9 -58.2 277.0 26.8 28.6 -3.5 325.6 78.5 8869.5 325.0 -36.1 -45.9 264.6 28.4 2.7 326.8 327.5 0.2 36.9 35.5 96. 28.6 28.5 37.9 30.0 30.6 328.7 999.9 99.9 999.9 97. 62.3 9420.9 300.0 -40.2 99.9 258.2 31.3 6.4 31.5 £6.3 10009-1 275.0 -44.5 99.9 254.8 30.9 29.8 8. 1 330.7 999.9 99.9 999.9 40 - 4 95. 32.0 31.1 7.5 332.4 999.9 99.9 999.9 43.3 94. 33. 1 90.8 1064C.0 250.0 -49.5 99.9 256.4 11320.8 -55.8 333.0 999**.9** 99.9 999.9 46.8 92. 35.0 95.5 225.0 99.9 257.6 29.7 29.0 6.4 999.9 999.9 37.2 1CO. 3 12058.9 200.0 -62.4 99.9 265.5 29.9 29.8 2. 3 333. 9 99.9 51 . 2 92. 99.9 39.5 105.8 12876.5 175.0 -65.6 99.9 276.2 26.4 26·3 -2.8 341.7 999.9 999,9 54.6 92. 999.9 41.5 111.5 13819.2 150.0 -60.0 99.9 276.7 29.0 24.8 - 2. 4 366.7 999.9 99.9 58.6 92. 999.9 44.6 14950.7 -59.3 99.9 262.0 29.6 4.2 387.7 999.9 99.9 62.7 92. 118. 3 125. C 29.9 999.9 999.9 47.9 125.8 16357.0 10000 -60.1 59.9 275.2 20.3 20.2 -1.8 411.7 99.9 68.2 92. 999.9 134.5 18135.9 75.0 -61.9 99.9 313.1 3.1 2.3 -2.1 443.3 999.9 99.9 70. B 92. 51.4 99.9 999.9 999. 9 999. 999.9 56.1 143.3 20669.9 50.0 -59.2 99.9 995.9 99.9 99.9 49.9 504.1

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<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN & AND 10 DEG.

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429 DAYTON. OHEO

142 20. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	RIG	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	ΑZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.0	298.0	976.0	16.6	15.1	255.0	. 6•2	6.0	1.6	295.5	324.7	11.1	79.0	0.0	ე.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
9.0	e. 1	306.9	975.0	18.7	14.9	999.9	99.9	99.9	55.9	295.5	324.5	11.0	78.4	999. 9	979.	
0.8	10.2	529.9	950.0	17.3	13.9	999.9	99.9	99.9	F9.9	296.2	324.2	10.6	80.3	999.9	999.	
1.7	12.2	757.4	925.0	15.3	13.1	281.5	7.7	7.5	-1.5	296.3	323.7	10.4	87.1	0.5	80.	
2.5	14.4	989.4	900.0	13.1	12.1	267.3	7•3	6.9	-2.2	296.3	322.7	10.0	94.2	1.2	93•	
3.2	16.4	1226.4	875.0	11.5	10.6	294.6	7.4	6.8	-3.1	297.0	321.7	9.3	94.2	1.4	97.	
4.1	18.6	1468.3	850.0	9.4	8.5	301.2	7.5	6.4	-3.9	297.1	319.2	8.2	93.7		102.	
5.0	20.5	1715-9	825.0	9.1	4.0	295.0	6.6	6.0	-2.8	299.0	316.0	6.2	70.3		105.	
5.8	23.2	1970.5	800.0	7.6	3.8	305.5	7.2	5.9	-4.2	300.1	317.5	6.3	76.5		10.6.	
6.6	25.4	2232.0	775.0	6.0	3.4	313.4	7.8	5.7	-5.4	301.1	318.7	6,4	83.6		110.	
7.5	27.7	2500.1	750.0	3,9.	1.8	311.3	7.6	5.7	-5.0	301.6	317.9	5• €	85.7		112.	
8.4	30.1	2775.4	725.0	2.9	-3.1	306.9	7.7	6.2	-4.6	303.2	315.2	4.2	64.2		114.	
9.5	32.6	3059.2	700.0	1.5	-6.5	294.0	7.5	6.9	-3.1	304.5	314.4	3.4	55.9		115.	
10.5	35.2	3351.3	675.0	-0.4	-7.3	280.8	7.6	7.4	-1.4	305°6	315.2	3,3	59.8		115.	
11.5	37.6	3652.1	650.0	-2.9	-9.3	281.5	8.9	8.7	-1.8	306.1	315.4	3.1	66.3		113.	
12.5	40.2	3962.1	625.0	-4+8	-8.1	284.9	12.2	11.8	-3.0	307.4	317.2	3• 3	77.6		112.	
13.5	42.8	4282.5	600.0	-6.6	-7.2	285.5	15.3	14.7	-4.1	308.9	319.9	3.7	<b>95.6</b>		111.	
14.5	45.6	4614.9	575.0	-7.7	-8.2	283.6	17.3	16.8	-4.1	311.4	342.1	3.6	96.1		110.	
15.4	48.4	4959.9	550.0	-9.6	-10.2	281.4	20.9	20.5	-4.1	313.0	322.7	3.2	95.6		196.	
16.7	51.1	5316.6	525.0	-12.9	-32.0	273.4	25.3	25 • 2	.≈1•5	312.9	314.6	0.5	19.1	10.2		
18.0	54.3	5686.5	500.0	-16.0	-45.0	266.0	27.0	26.9	1.9	313.5	314.0	0 • 1	6.1	12.2		
19.4	57.1	6071.2	475.0	-18.1	-55.4	267.4	28.6	28.5	1.3	315.5	315.6	0.0	2.2	14.4		
20.5	60.3	6473.3	450.0	-20.7	-40.8	272.0	29.7	29.7	-1.0	317.3	318.1	0 • 2	14.4	16.9		
22.3	€3.6	5894.2	425.0	-23.2	-40.9	271.3	30.7	30 • 7	-0.7	319.2	320.1	0.2	17.9	19.5		
23.8	66. B	7335.2	400.0	-26.4	-40.9	269.6	34.3	34.3	0+2	320.7	321.6	0.3	24.1	22. 3	9 8.€	
25.4	70.2	7799.4	375.0	-30.0	-45.0	266.2	36.9	36.8	2.4	321.9	322.5	0.2	21.4	25. 5	95.	
27e 1	73.6	8285.1	350.0	-34.6	-51.9	268.3	37.0	37.0	1.1	322.0	322.3	0 • 1	15.2	29. 5	95.	
29.0	77.7	8799.1	325.0	-37.9	-63.0	269.1	38.2	38.2	0.6	324.3	324.4	0.0	5.2	33. 7	34.	
31.0	61.5	9346.3	300.0	-41.4	99.9	270.8	41.1	41.1	-0.6	327.0	999.9	99 • 9	999.9	38.7	74.	
33.2	€ 5 • 6	9930.8	275.0	-46.2	99.9	267.0	40.5	40.5	1.7	328.4	999.9	99.9	999.9	44.1	93.	
35.7	90.0	10559.2	250.0	-49.7	99.9	258.5	41.8	41.0	8.3	332.2	999.9	99.9	999.9	49.6	940	
38 - 2	94.3	11241.7	225.0	-54.7	99.9	251.8	36.3	34.4	11.3	334+6	559.9	99.9	999.9	55.4	90.	
4C.8	99.8	11984.0	200.0	-60.6	9969	256.4	43.0	41.8	10.1	336.8	999.9	99.9	999.9	61.1	89.	
43.7	105.0	12803.6	175.0	-66.2	99.9	259.4	35.7*	35.1	6.5	340.7	999.9	99.5	999.9	68.1	€ □ •	
47.2	110.8	13749.7	150.0	-62.0	99.9	263.2	28•1•	28.0	3. 3	363.3	995.9	99• 9	999.9	75.1	87.	
51.3	117.3	14894.3	125.0	-56.0	99.9	269.7	28.8*	28.8	0.1	393.6	999.9	99.9	999.9	82 • 1	H7.	
56 • 1	124.5	16302.5	100.0	-57.6	99.9	267.4	31.2*	31.1	1.4	416.5	999.9	99.9	999.9	90.6	87.	
62.5	132.3	18099.7	75.0	-62.2	99.9	285.2	2.7*	2.6	-0.7	442.6	999.9	99. 9	999.9	95. 5	88.	
70.5	140 - 3	20632.2	50.C	-57.6	99.9	267.3	1.9	1.9	0.1	507.8	999.9	99.9	999.9	98.0	87.	
84.2	148.7	25076.7	25.0	-51.9	99.9	999.9	99.9	99.9	99.9	635.7	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EV TEMF MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 433

24 APRIL

e =	WENTE TALE				
	2315 GMT	157	16.	C	

													PS4, 1			
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	PUT T	E POT T	MX RTO	RH	PANGE	6.7	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM.	DG	
				61.0		150-0	2•6	-1.3	2.3	296.4	321 • 1	9.3	58.0	0.0	0.	
0.0	5.3	175.0	991.0	21.2	12.6 99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99. 9	99. 9	99.9	1000.0 975.0	99.9		106.8	2.0	-1.9	0.6	296.9	321.5	9.2	59.6		341.	
0.4	6. 3	316.1		20.3	12.3	88.0	2.5	-2.5	-0.1	296.8	320.4	8.8	63.7		311.	
1.2	6.3	539+7	950.0	18.2	11.2	79.8	3.2	-3.2	-0.6	296.7	319.1	8.4	67.9		290.	
2.0	10.3	767.7	925.0	15.9	10.0	55.3	4.7	-3.2	-2.7	297.2	318.3	7.8	69.2		273.	
2.9	12.3	999.9	900-0	14.2	8.5			-2.8	-1.7	298.5	318.8	7.5	68.1		258.	
3.7	14.4	1237.7	875.0	13.2	7.5	58.5 254.5	3.2 1.7	1.6	0.4	300.2	316.9	6.0	55.2		258.	
4.5	16.4	1481.6 1732.0	850.0 825.0	12.7 11.8	4.0 1.5	999.9	99.9	99.5	99.9	301.8	316.4	5.2	49.1	999.5		
5.3	10.6			9.7	99.9	999.9	99.9	99.9	59.9	301.6	999.9	99.9	999.9	999.5		
6+1	20.7	1988.6	800.0			999.9	99.9	99.9	99.9	302.7	999.9	99.9	999.9	999. 9		
7.0	23.0	2250.7	775.0	8.2	99•9 99•9	999.9	99.9	99.9	99.9	303.9	999.9	99.9	999.9	999.9		
7.9	25.3	2520.5	750.0	6.8		999.9	99.4	99.9	99.9	304.6	999.9	.99.9	999.9	999. 9		
8.9	27.6	2797.3	725.0 700.0	4.7 2.2	99.9 1.6	999.9	99.9	99.9	59.9	305.7	323.2	6.2	95.7	999.9		
10.0	30.0	3082.1 3375.9	675+0	1.9	-14.8	999.9	99.9	99.9	99.9	308.0	313.5	1.8	28.0	999.9		
11.1	32 • 6						•	17.1	0.7	309.3	314.1	1.6	26.4	5.8	84.	
12.2	35.2	36.74.3	650.0	0.1	-16.9 -15.6	267+8	17.1	19.0	0.4	309.9	315.5	1.8	35.4	7.0	85.	
13.3	3767	3992+1	625.0	-2.4		266.8			0.9	310.6	314.6	1.2	27.8	8.2		
14.3	40.4	4314.8	600.0	-4.8	-20-6	267.5	20.8	20.8 21.4	1.8	310.5	314.4	1.1	29.1	9.7	85.	
15.4	43.1	4647.5	575.0	-7.8	-22.7	265.2	21.5 21.7	21.7	0.6	311.9	315.5	1.1	34,6	11.2	85.	
16.6	46.0	4991.3	550.0	-10.3	-22.9	268•5 273•5	20.6	20.6	-1.3	313.5	317.0	1.1	38.3	12.8	86.	
17.9	49.0	5348.1	525.0	-12.4	-23.7	270.0	26.1	26.1	-0.0	316.0	316.7	0.2	8.4	14.6	87.	
19.2	52-0	5719.5	50C.0	-14.0	-40.5					317.6	318.3	0.2	8.7	16. 7		
20.5	55.1	6107-4	475.0	-16.4	-42-1	265.0	31.8	31.8 36.8	0.6 2.5	317.2	319.9	0.2	10.4	19.5		
21.7	56.3	6512.1	450+0	-19-1	-42.6	266.1	36.9			320.0	320.8	0.2	15.1	22.9	87.	
23.3	61.7	6934.4	425.0	-22.6	-42.0	264+1	38.3	38-1	4.0 5.7	321.1	323.3	0.7	58.4	26.2	86.	
24.7	65.4	7376•2	400.0	-26.1	-31.9	261.0	36.7	36.02	4.3	322.6	324.4	0.5	57.8	29.8	86.	
26.3	68.9	7840.0	375.0	-29.4	-35.1	263.4	37.4	37.1					50.2	33.7	86.	
28 • 1	72-5	8328 6	350.0	-33.6	-40.4	267.0	38.2	38.1	2.0	323.3	324.5	0.3 0.2	37.5	36.1	56.	
29.9	76.7	8843.9	325.0	-37.8	-46.9	267.0	40.8	40.8	2. 1	324.5	325.1					
31.9	60.9	9390.3	300.0	-42.4	99.9	264.8	40.7	40.6	3.7	325.6	999.9	99.9	999.9	43.2	85.	
34.2	€3•4	9972-6	275.0	-47.1	99.9	263.0	42.5	42.1	5 • 2	327.0	999.9	99.9	999.9	48.8	86.	
36.6	90 <b>.</b> 2	10596.5	250.0	-51-8	99.9	261.7	41.0	40.6	5.9	329.1	999.9	99.9	999.9	54.8	854	
39.1	95.4	11273.6	225.0	-55.9	99.9	263.9	36.8*	36.6	3.9	332.9	999.9	99.9	999.9	60.7	85.	
41.8	101.0	12014.3	200.0	-60.3	99.9	255.8	34.6*	34.0	6.1	337.3	999.9	99.9	999.9	67.3	85.	
44.4	107.3	12838.8	175.0	-64.4	99.9	256,7	33.2*	32.3	7. 7	343.6	999.9	99.9	999.9	73. 7	84.	
48.1	114.3	13789.0	150.0	-60.0	99.9	266.4	35.5*	35.4	2.2	366.7	999.9	99.9	999.9	81.5	84.	
52.6	122.0	14941.3	125.0	-56.8	99.9	262.0	26.9*	26.6	3. 7	392.1	999.9	99.9	999.9	90.0	84.	
57.6	130.3	16330.6	100.0	-59.3	99.9	283.8	14.2*	13.8	-3, 4	413.2	999.9	99.9	999.9	97.2	84.	
63 • 8	139+3	18129-6	75.0	-63.5	99.9	264.8	14.29	14.2	1.3	439.8	999.9	99.9	999.9	102-6	84.	
72.2	148.3	20659.6	50.0	-58.2	99.9	45.4	1.5	-1-1	-1.0	506.4	999.9	99.9	799.9	106.8	85.	
85.0	157.7	25106.7	25.0	- 52.9	99.9	19.4	2.6	-G.9	-2.4	633.1	999.9	99.9	999.9	107.6	86.	

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451 DODGE CITY. KAN

155 12. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM:	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	13.4	791.0	920.6	21.1	9.4	60.0	6.2	-5.4	-3.1	302.4	324.6	8.1	47.0	0.0	0.	,
99.9	99. 3	94.9	1000.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	,
99.3	9909	99.9	975.0	99.9	58.5	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.9	999. 9	999.	,
22.9	99. 7	99.9	950.C	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	`89 <b>.</b> 9	999.9	999. 9	999.	,
99. 7	59. 9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	59.0	999.9	999. 9	995.	٠.,
0.8	15.4	986.3	900.0	18.5	10.2	999.9	99.9	99.9	99.9	301.8	325.6	8.7	58.2	999. 9	999.	,
1.7	17.5	1227.4	875.0	16.6	9.6	999.9	99.9	99.9	99.9	302.1	325.7	8.6	63.4	999.9	997.	þ.
2.5	20.1	1472.6	850.0	14.1	9.5	49.1	5.3	-4.0	-3.5	302.1	326.2	8.8	73.6	1.0	232.	r i
3.3	22.3	1725.2	825.0	11.7	9.0	40.8	5.1	-3.3	-3.8	302. i	326 • 1	8.8	83.5		231.	
4.2	24. 9	1982.2	800.0	9.8	7.7	30.3	3.4	-1.7	-2.9	302.7	325.6	8.3	86.9	1.5	228.	,
5.2	27.3	2245.9	775.0	8.0	6.2	313.7	0.9	0.7	-0.6	303.4	324.7	7.7	88.7			
6.4	30.0	2516.0	750.0	6.0	3.5	290.2	3.4	3.2	-1.2	303.9	322.4	6.6	84.2			
7.4	32. 6	2793.3	725.0	4.2	-0.6	273.3	5.3	5.3	-0.3	304.7	319.2	5.1	71 - 1		213.	
8.5	35.3	3079.1	700.0	4.3	-14.2	272.0	8.2	8.2	-0.3	307e5	313.1	1.8	24.6		194.	
9. 5	37. 8	3373.6	675.0	1.8	-17.5	267.9	6.7	8.6	0.3	307.8	312.2	1.4	21.7	1.2	167.	
10.7	40.5	3676.4	650.0	-1.0	-18.2	274.5	8.5	8.5	-0.7	308+0	312.4	1.4	25.5		144.	
11.5	43.4	3988.0	625.0	-3.2	-18.6	200.3	9.4	9.3	-1.7	309.0	313.4	1.4	29.1		132	
13.0	46.3	4309.8	600,0	-5-2	-22.0	273.9	11.6	11.6	-0.8	310.2	313.7	1.1	25.3		123.	
14.1	49.1	4642.9	575.0	-6.8	-27.9	272.8	13.9	13.9	-0.7	312.1	314.3	0.7	16.6		115.	
15.3	52.3	4987.7	550.0	-9.3	-30.6	277.2	13.8	13.7	-1.7	313.1	314.9	0.5	15.7		110.	
16.7	55.2	5345.5	525.0	-12.2	-37.4	281.5	12.4	12.1	-2.5	313.7	314.7	0.3	10.2		198.	
18.0	58-1	5716.3	500.0	-15.2	-40-1	283.2	15.0	14.6	-3.4	314.4	315.2	0.2	9.8		107.	
19.3	61.5	6101.4	475.0	-18.6	-40.7	280.6	17.1	16.9	-3.1	314.9	315.7	0.2	12.1	7. 7	137.	1
20.7	65.0	6501.6	450.0	-21.7	-43.0	277.2	17.3	17.2	-2.2	315.9	316.5	0.2	12.4	9. 1	195.	
22.2	68.3	6919.8	425.0	-25.4	-46+6	278.4	19.2	19.0	-2.8	316.5	316.9	0.1	11.6	10.7	104.	,
23. 7	71.6	7356.7	400.0	-29.1	-47.8	266.6	21.2	21.1	1.2	317.2	317.6	0.1	14.3	12.6		
25.3	75.4	7814.1	375.0	-33.3	-48.9	263.3	21.5	21.4	2.5	317.5	317.9	0.1	19.0	14.5		,
27.0	79.3	8294+4	350.0	-37.2	-51.9	263.4	26.0	25.8	3.0	318.5	318.8	0.1	19.7	16.7		,
28.7	e 3 · 2	8802.4	325.0	-41.2	99.9	256.0	25.4	24.7	6. 1	319.8	999.9	99.9	999.9	19.7		
30.5	27.3	9340.5	300.0	-46-1	99.9	257.6	28.9	28.2	6.2	320.4	999.9	99.9	999.9	22.2	93.	1
32.6	91.9	9914.0	275.0	-50.4	99.9	252.9	31.8	30.4	9.4	322.2	999.9	99.9	999.9	25, 9	90.	,
34.7	56.4	10534.2	250.0	-52.5	99.9	255.5	30.4	29.4	7.6	328.1	999.9	99.9	999.9	29. 5	88.	1
36.9	101.3	11213.4	225.0	-53.8	99.9	260.0	33.6	33.2	5. 9	336.0	999.9	99.9	999.9	34.0	87.	,
39.4	106.8	11964.1	200.0	-56.2	99.9	259.7	35.3	34.8	6. 3	343.7	999.9	99.9	999.9	36. 9	3 to	, `·
42.3	112.5	12810.0	175.0	-56.4	99. 3	270.2	33.5	33.5	-0.1	356.8	999.9	99.9	999.9	45. 6	<b>85.</b>	,
45.6	- 119.0	13784.5	150.0	-57.6	99.9	263-1	32.2	32.0	3.9	370.9	999.9	99.9	999.9	51.6	85.	P.
49.3	126.0	14935.7	125.0	-57.7	99.9	259.8	22.8	22.4	4.0	390.5	999.9	99.9	999.9	58. 4	85.	<b>.</b>
53.9	134.0	16344.8	100.0	-55.2	99.9	254.4	26.4	25.4	7.1	415.2	999.9	99.9	999.9	65 <b>.</b> 8	85.	,
59.7	142.3	18149.9	75.0	V-58.3	99.9	265.1	22.6	22.5	1.9	450.6	999.9	99.9	999.9	73.2	84.	
67.5	151.7	20690.5	50.0	-57. D	99.9	281.5	7.3	7-1	-1.5	509.4	999.9	99.9	999.9	77. 3		•
80.5	162.0	25163.6	25.0	-50.2	99.9	265.2	6 · 1	5.8	-1:6	640.3	999.9	99.9	999.9	<b>78.</b> 8	86.	;

BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456 TOPEKA. KAN

						-	2325 G	MT					1	58 26. 0	0
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE A	Z
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM D	G
0.0	6.5	268.0	979.0	21.1	17.3	70.0	4.6	-4.3	-1.6	297.8	331 • 6	12.8	79.0	0.0	c.
99.9	99.3	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.5	999.9	999.9 99	⊋•
0.1	6. 9	303.5	975.0	20.5	14.8	126.0	3.6	-2.9	2.1	297.3	326.4	11.0	70.0	0.2 242	2.
0.9	9. 2	527.3	950.0	16.0	12.6	93.7	3.0	-3.0	0.2	296.8	322.7	9.7	70.7	0.3 227	7.
1.5	11.3	755.3	925.0	16.0	10.9	36.9	7.4	-4.4	-5.9	296.9	320.7	8.9	71.7	0.6 227	7•.
2.6	13.6	987.8	900.0	14.0	11.3	31.7	7.7	-4.0	-6.6	297.2	322.3	9.4	83.9	0.9 22	
3.5	15,5	1225.6	875.0	13.1	10.7	12.4	4.9	-1.0	-4.8	298•7	323.6	9.3	65. I	1.3 217	
4.3	10.3	1469.3	850.0	11.8	9.1	339.5	3 • 1	1 • L	-2.9	299.6	322.8	8.6	83.7	1.4 212	
5.3	20.6	1715.1	625.0	10.3	8.0	226.5	2.0	1.5	1 • 4	300.6	322.9	8.2	85.5	1.5 238	
6a 3	23.1	1975.7	800.0	10.4	7.2	218.9	5.9	3.7	4.6	303.2	325.3	8.0	80.7	1.2 20	
7.3	25.5	2239.8	775.0	8.5	5.8	224.7	7.1	5.0	5 <b>•</b> 1	303.9	324 . 8	7.5	83.4	0.5 19	
8.3	25.0	2510.5	750.0	7.0	2.6	226.8	5•4	3.9	3. 7	305.0	322.4	6.2	7.3.4	0.5 177	
9.3	30 • 3	2788.6	725.0	5.2	-1.5	276.4	12.0	12.0	-1.3	305.8	319.4	4.7	61.7	0.5 15	
10.3	33.4	3074.9	700.0	4.2	-7.0	264.6	19-4	19.3	1.5	307.6	317.2	3. 2	43.7	1.7 106	
11.5	36.0	3370.0	675.0	2.7	-16.5	241.9	14.2	12.6	6.7	308.9	313.7	1.6	22.7	2.5 87	
12.6	36.9	3673.8	650.0	-0.1	-17.2	270.8	15.0	15.0	-0-2	309.0	313.7	1.5	26.1	3.6 8	
13.9	41.6	3986.2	62500	-2.9	-18.0	273.0	14.5	14.8	-C. 8	369.3	313.9	1.5	30.0	4.7 89	
15.1	44.6	4307.8	600.0	<b>-5</b> €7	-18.9	273.7	14.6	14.5	-1.0	309.6	314.1	1.4	34.3	5.7 90	
16.2	47.6	4639.5	575.0	-2.7	-19.7	270.4	14.8	14.8	-0+1	310.0	314.3	1.4	40.3	6.7 91	
17.5	50.7	4582.0	550.0	-12.0	-21.5	26€.3	13.5	13.5	0.4	310.0	313.9	1.2	44.9	7.3 90	
16.0	53.9	5336.1	525.0	-14.5	-27.7	267.5	14.2	14.2	0.6	311.0	313.4	0.7	31.6	8.8 90	
20.0	56.9	5703.9	500.0	-17.3	-26.5	265.1	15.6	15.6	1.3	312.0	314.8	0.9	44.2	10.0 90	
21.4	60.4	6086.3	475.0	-20.2	-31.0	257.8	17-1	1.5 • 7	3 € 6	313.0	315.0	0.6	37. 3	11.2 6	
22.7	63.7	6484.6	450.0	-22.9	- 29. 5	254.6	22.9	22.0	6-1	314.5	316.9	0.7	54.3		7.
24.2	67.0	6901.9	425.0	-25.3	-32.9	25J.l	23.5	22.5	6. 8	316.6	318.5	0.6	48.6		5.
25.6	70.6	7339.5	40C.0	-28.8	-38.6	253.4	23.0	22.0	6. 6	317.5	318.7	0.3	36.1	16.8 84	
27.4	74.3	7797.2	375.0	-32.6	-45.5	247.5	26.5	24.5	10-1	318.1	318.7	0.2	26.6	19.3 82	
29.2	78.3	8270-1	350.0	-35.8	-51.9	250.0	31.6	29.7	10.8	320.4	320.7	0.1	17.1	22.3 50	
30.9	82.4	8791.3	325.0	-39.5	-47.7	248.2	39.0	36.2	14.4	322.2	322.7	0.2	41.0	25.8 79	
32.6	86.8	9334.4	300.0	-43.7	99.9	238.7	37.4	31.9	19.5	323.8	999.9	99.9	999.9	29.8 77	
34.3	91.5	9912.4	275.0	-49.2	99.9	239.9	40.1	34.7	20-1	324.0	999.9	99.9	999.9	33.5 75	
36,4	96.4	10529.9	250.0	-54-1	99.9	247.0	44.7	41.2	17.5	325.7	999.9	99.9	999.9	38,6 73	
38.9	101.6	11204.2	225.0	-55.7	99.9	249.3	41.9	39.2	14.8	333.2	599 <b>.9</b>	99.9	999.9	45.5 73	
41.8	107.6	11950.6	200.0	-57.6	99.9	293.5	36.8	37.2	11.0	341.6	999.9	99.9	999.9	52.7 73	
44.9	113.8	12795.0	175.0	-56.7	99.9	251.4	30.4	` 28∙8	9.7	356.4	999.9	99.9	999.9	57.6 73	
48.3	120.7	13765.8	150.0	-57.6	99.9	263.9	26.3	26.1	2.8	370.8	999.9	99.9	999.9	64.0 73	3.
52.2	128.9	14915.8	125.0	-59.3	99.9	255.6	26.7	27.5	7.1	387.7	999.9	99.9	999.9	70.0 74	
57.5	136.7	16319.6	100.0	-58.4	99.9	263.5	27.7	27.5	3. 1	414.9	999.9	99.9	999.9	79-1 74	
63.6	144.7	18130-3	75.0	-56.7	99.9	254.9	16.7	16.1	4. 3	449,8	999.9	99.9	999.9	85.7 74	
72.0	153.7	23667.4	50.0	-56.3	99.9	315-1	5.7	4.0	-4.0	510.9	999.9	99.9	999. 9	90.9 76	
99.9	59.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9 999	9.

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>..</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 486 FORT TOTTEN. N Y

24 APRIL 1975

						~~	WENT !	14.0							
							2359 G	MT					1:	52 32	. 0
TIME	CNTCT	HE I GHT	PRES	TEMP	DE L PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SFC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.5	ė. 0	1008.2	13.0	12.6	999.9	99.9	99.9	ç9 <b>.</b> 9	256.7	310.4	9.3	99.0	999. 9	999.
0.3	5e 1	77.1	1000.0	13.7	13.7	999.9	99.9	99.9	99.9	288.1	313.5	9.9	102.0	999, 9	999.
1.0	7.1	292.4	975.0	15.6	15.8	999.9	99.9	99.9	99.9	292.6	322.8	11.7	102.3	999. 9	999.
1.8	9.3	513.6	950.0	14.9	14.9	999.9	99.9	99.9	99.9	293.8	323.3	11.3	102.2	999. 9	999.
2.6	11.3	739.7	925.0	13.7	13.7	999.9	99.9	99.9	59.9	294.8	322.9	10.8	102.0	999.9	999.
3. 4	13.5	970.7	900.0	12.1	12.1	999.9	99.9	97.9	69. g	295.3	321.4	9.9	101.8	599 <b>.</b> 9	999.
A . A	18-6	1206-0	476.0	10-7	10.7	000.0	00.0	00-0	99.0	206.2	320.0	9.3	101.6	cac. a	990.

0.0	4.5	2.0	1008.2	13.0	12.6	999.9	99.9	99.9	¢9.9	256.7	310.4	9.3	99.0	999.9 999.
0.3	5 · 1	77.1	. 1000.0	13.7	13.7	999.9	99.9	99.9	99.9	288.1	313.5	9.9	102.0	999.9 939.
1.0	7.1	292.4	975.0	15.6	15.8	999.9	99.9	99.9	99.9	292.6	322.8	11.7	102.3	999.9 999.
1.8	9. 3	513.6	950.0	14.9	14.9	999.9	99.9	99.9	99.9	293.8	323.3	11.3	102.2	999.9 999.
2.6	11.3	7.39.7	925.0	13.7	13.7	999.9	99.9	99.9	59.9	294.8	322.9	10.8	102.0	999.9 999.
3.4	13.5	970.7	900.0	12.1	12.1	999.9	99.9	99.9	49 <b>.</b> 9	295.3	321.4	9.9	101.8	<b>999.9 99</b> 9.
4.4	15.6	1206.9	875.0	10.7	10.7	999.9	99.9	99.9	99.9	296.2	320.9	9.3	101.6	999.9 999.
5.4	17.5	1448.5	850.0	e• 2	9.2	999.9	99.9	99.9	49 <b>. 9</b>	296.9	320.0	8 • 6	191.3	999.9 999.
6.6	20.2	1695.9	825.0	7.5	7.5	999.9	99.9	99.9	99.9	297.6	318.9	7.9	101.1	999. 5 999.
7.5	22.4	1949.5	800.0	6.0	5.8	999.9	99.9	99.9	99.9	298. 5	318.3	7.3	99.3	599.9 999.
8.5	24.9	2209.4	775.0	4.8	4.8	999.9	99.9	99.9	99.9	299.9	319.1	7.0	100.3	999.9 999.
9.4	27.1	2476.9	750.0	3.4	3.4	999.9	99.9	99.9	99.9	301.1	319.2	6.6	100+3	999.9 999.
10-4	29.6	2752.0	725.0	2.0	2.0	999.9	99.9	99.9	99.9	302.5	319.6	6.1	100.1	999.9 939.
11.5	32. 2	3035.2	700.0	1.0	1.0	999.9	99.9	99.9	99.9	304.4	321.0	5.9	99.9	999.9 995.
12.5	34.9	3327.7	675.0	0.2	0.2	969.9	59.9	99.9	59 <b>.</b> 9	306.6	323.1	5.8	99.8	999.9 999.
13.6	37.4	3630.3	65C.0	-1.2	-1.2	999.9	99.9	99.9	99.9	308.3	323.9	5.4	100.6	999.9 999.
14.9	40.2	3942.8	625.0	-2.9	-2.9	999.9	99.9	99.5	99.9	309.7	324.1	4.9	100.3	999. 5 999.
16-1	42.9	4265.7	600.0	-4.6	-4.7	999.9	99.9	99.9	99.9	311.4	324.7	4.5	99.4	844. 6. 848.
17.3	45. 9	4600.2	575.0	-6.4	-6.6	999.9	99.9	99.9	99 <b>.</b> 9	313.0	325.2	4.1	98.3	939.9 339.
18.6	48.9	4946.9	550.0	-6.5	-6.9	999.9	99.9	99.9	99.9	314.4	325.1	3.6	97.3	999. 3 399.
20.0	51.3	5307-1	525.0	-10.4	-11.0	999.9	99.9	99.9	99.9	316.3	325.9	3.1	95.3	999.9 999.
21.3	5E. J	5661.2	500.0	-12.9	-14.0	999.9	99.9	99.9	99. 9	317.6	325.7	2.6	91.7	999.9 999.
22.8	58.1	6070.6	475.0	-15.7	-17.1	995.9	99.9	99.9	99.9	318.7	325.4	2.1	88.9	999.9 999.
24.3	61.0	6476.6	45C.0	-18.6	-20.3	999.9	99.9	99.4	9409	320.0	325.5	1.7	86.5	993.9 999.
25.8	65.2	6900.4	425.0	~21.9	-23.7	999.9	99.9	99.9	99.9	321.0	325.4	1.3	84.9	999.9 999.
27.3	68.7	7344.2	400.0	-25.2	-27.2	999.9	99.9	99.5	99.9	322.4	325.8	1.0	83.2	979.9 999.
25.5	72.3	7809.6	375.0	-26.9	-31.4	999.9	99.9	99.9	99 <b>. 9</b>	323.3	325.9	0.7	78.9	999.9 999.
30 • 5	76.4	6299•B	350.0	-32.6	-35.6	999.9	99.5	99.5	99. 9	324.7	326.6	0.5	74.6	999.9 999.
32.2	@C. 5	8817.3	325.0	-37.0	99.9	999.9	99.9	99.9	99.9	325.7	999.9	99.9	999.9	999.9 999.
34.1	£5.0	9365.4	300.0	-41.4	99.9	999.9	99.9	99.9	99.9	327.0	999.9	99.9	999.9	999.9 999.
36.0	89.4	994 Sa B	275.0	-46.4	99.9	899.9	99.9	99.9	99.9	328.0	999.9	99.9	999.9	959.9 499.
38.5	94.5	10574.7	250.0	-52-1	99.9	999.9	99.9	99.9	99.9	328.6	999.9	99.9	599.9	995.9 999.
40.8	55.6	11242.4	225.0	-57.7	97.9	999.9	99.9	99.9	99 <b>.</b> 9	330.1	999.9	99, 9	999.9	999.9 999.
43,4	105.3	11980.6	200.0	-63.8	99.9	995.9	99.9	99.9	99.9	331.7	999.9	99.9	999.9	999.5 999.
46.1	111.3	12791.3	175.0	-66.4#	99.9	999.9	99.9	99.9	99.9	340.4	999.9	99.9	999.9	999.9 999.
49.4	117.9	13727-4	150.0	-64.2	99.9	999.9	99.9	99.9	99.9	359.4	999.9	99.9	994.9	999.9 999.
54.9	125.3	14860.0	12540	-59.6	99 <b>.</b> 9	999.9	99.9	99.9	99.9	387.2	999.9	99.9	999.9	995.9 799.
61.5	133.0	16264.0	100.0	-56.7	99.9	999.9	99.9	99.9	99.9	418.3	999.9	99.9	999.9	999.9 999.
70.0	141-0	18048.7	75.0	-62.9	99.9	995.9	99.9	99.9	99.9	441.0	999.9	99.9	999.9	999.9 999.
81.6	149.0	20562.4	50.0	-58.7	99.9	999•9	99.9	99.9	. <b>59</b> 6 9	505.1	999.9	99.9	999.9	999.9 999.
99.9	99.9	99.9	25.0	66. 9	99.9	99.9	99.9	99.9	99 <b>.</b> 9	99.9	999.9	99.9	999.9	999.9 999.

EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG
 BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED
 BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 518 ALBANY. N Y

158 19. 0

			•													
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	. V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	6.3	86.0	998.5	13.6	13.2	170.0	5.2	-0.9	5.1	288.3	312.9	9.6	96.0	0.0	.0.	,
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	,
0.0	8.4	287-1	975.0	13.0	12.0	181.2	5.4	0.1	5.4	289.5	312.9	9.1	93.1	0.2	343.	,
1.5	10.6	506.7	950.0	14.0	12.1	235+3	5 • 1	4.2	2.9	292.6	317.1	9.4	88.3	0. 5	5∙	r i
2.4	12.5	731.6	925.0	12.6	10.8	262.8	7.7	7.6	1.0	293.4	316.6	8.8	88.7	0.7	31.	,
3.2	15.2	961.4	900.0	10.9	9.3	276-5	9.1	9.1	-1.0	293.8	315.6	8.2	90.2	0.9	54.	,
4.1	17.3	1196.3	875.0	9.4	B. 0	287.2	9.5	9.1	-2.8	294.5	315.1	7.7	90.9	1.3	71.	
5.1	19.7	1436.6	850.0	7.6	6.2	279.8	6.7	6.6	-1.1	295.0	313.9	7.1	91.4	1.8	91.	
6.1	22.3	1682.8	825.C	7.0	5.5	273.3	5.6	5.6	-0.3	296.9	315.6	6. 9	90.2	2.1	62.	
7.0	24.5	1935.9	800.0	6.1	1.7	293.7	5.8	5.3	-2.3	298.4	313.4	5.4	73.2	2.4	35°	
8.1	26.5	2196.2	775.0	5.2	-0.4	301.9	5.6	4.7	-2.9	300.0	313.6	4.8	67.2	2.6	99.	è
9.0	29.5	2463.7	750.0	3.8	-1.3	286.7	7.0	6.7	-2.0	301.3	314.5	4.6	69.1	3.0	9.3.	
9.9	32.1	2738.4	725.0	1.7	-1.4	275.9	7.6	7.5	÷0•8	301.9	315 <b>.3</b>	4.8	79.8	3. 3	94.	
11.0	34.9	3020.6	700.0	-0.1	-2.3	270.3	8.9	8.9	-0.1	302.9	316.1	4.6	84.9	3. 9	93.	
12.0	37. 3	3311.6	675.0	-1.8	-3.6	273.4	10.0	10.0	-0.6	304.2	316.7	4.3	87.4	4 6 5	93.	
13.2	40.2	3611.4	650.0	-2.7	-6.8	270.1	12.7	12.7	-0.0	305.2	310.6	3.5	79.1	5. 2	93.	
14.3	42.9	3920.7	625.0	-4.7	-35.1	277.0	1 3 • 6	13.5	-1.7	307.2	308.9	0.6	12.9	6.2	93.	
15.6	45.9	4241.1	600.0	c.5	-37.1	283.7	15.1	14.7	-3.6	308.6	309.5	0.3	6.7	7.2	94.	
16.9	46.3	4572.5	575.0	-8.4	-37.9	276.5	14.6	14.5	-1.7	310.1	311.0	0.2	7.1	8.4	95.	
18.2	51.7	4915.2	550.0	-11.3	-3907	273.6	17.0	17.0	-1.1	310.7	311.4	0.2	7.4	9.7	95.	
19.6	54. 9	5270.1	525.0	-15.7	-41.3	275.3	19.1	19.0	-1.8	311.9	312.6	0.2	7.6	11-1	95.	
21.0	58.0	5641.1	590.0	-14.4	-49.5	268.3	20.1	20.1	0.6	315.5	315.8	0.1	3.2	12.8	95.	
22.4	61.3	6027.6	475.0	-17.6	-51.0	263.6	23.0	22.9	2.6	316.1	316.4	0.1	3.5	14.6	93.	
23.9	64. B	6430.0	450.0	-20.5	-36.7	261.1	26.1	25.8	4.0	317.5	318.9	0.4	25.5	16.8	92.	
25.4	68.0	6850.4	425.0	-23.5	-34.6	255.7	28.5	27.6	7.0	318.9	320.6	0 . 5	34.9	19.2	91.	
27.1	71.6	7292.6	400.0	-25.8	-37.8	251.6	27.4	26.0	8.7	321.4	322.7	0.4	31.3	22.0	88.	
28.9	75.4	7756.5	375.0	-29.3	-33.2	256.8	31.4	30.5	7.2	322.8	324.9	0.6	69.1	24.7	86.	
30.6	79.5	8246.3	350.C	-32.6	-36 • 1	258.8	34.8	34.1	6.7	324.7	326.5	0 • 5	71.0	28.4	85.	
32.4	e3. 4	8763.3	325.0	-37.5	-42.7	261.4	34.6	34.2	5.2	324.9	325.9	0.3	58.2	32. 1	85.	
34.4	87.6	9310.5	300.0	-42.1	59.9	267.6	38.5	38.5	1.6	326.1	999.9	99.9	999.9	36.3	85.	,
36.5	92.2	9893.1	275.2	-47.0	99.9	268.4	38.2	36.2	1. 1	327.1	999.9	99.9	999.9	41.4	<b>55</b> •	,
38.8	97.0	10516.4	250.0	-52.3	99.9	268.0	42.2	42.1	1.5	328.3	999.9	99.9	999.9	46.7	864	,
41.3	102.0	11198.0	225.0	-58.3	99.9	269.9	44.9	44.9	0.1	329.2	999.9	99.9	999.9	53.2	80.	
44.0	107.6	11916.5	200.0	-64.7	99.9	273.0	55.4	55.3	-2.9	330.4	999.9	99.9	999.9	61.5	87.	٠.
47.2	113.5	12722.1	175.0	-69.5	99.9	277.0	40.9*	40.6	-5.0	335.4	599.9	99.9	999.9	71.0	98.	
51.3	120.0	13664.6	150.0	-61.5	99.9	276.8	36.6*	36.3	-4.3	364.1	994.9	99.9	999.9	80.2	89.	,
55.7	127. 3	14838.6	125.0	-57.9	99.9	289.1	32.4 *	30.6	-10.6	390.2	999.9	99,9	999. 9	88. 8	90.	
61.0	135.5	16219.9	100.0	-57-1	99.9	294.2	23.2	21.1	-9.5	417.5	999.9	99.9	999.9	96.5	92.	,
67.4	143.3	18027.8	75.0	-59.8	99.9	296.3	14.2*	12.8	-6• 3	447.6	999.9	99.9	999.9	104.6	94.	,
76.9	152.3	20568.7	50.0	-57.8	99.9	292.4	9.5	6.8	-3.6	507.3	999.9	99.9	999.9	195.9	95.	,
93.0	161.0	24971.6	25.0	-54.4	99.9	3.5	1.9	-0.1	-1.9	628.2	999.9	99.9	999.9	105.3	970	,

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 520 FITTSBURG. PA

							5312 6				1 -		•	-0 -0	, ,	
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	CIS	SPEED	U COMP	V CCMP	POT T.	E POT T	MX RTD	RH	RANGE		
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	8.5	359.0	967.0	15.0	13.9	270.0	3,1	3.1	0.0	292.3	319.3	10.4	93.0	0.0	0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.5	10.0	519.1	950.0	15.9	13.6	288.5	8.0	7.6	-2.6	294.7	322.0	10.4	85.9	0.2	95.	
1.2	11.9	736+8	925.0	14.4	12.6	309.2	7.3	5.7	-4.6	295.3	321.7	10.0	89.1	0.5	197.	
1.9	14.1	968.2	900.0	12.7	12.1	325.7	8.4	4.7	-6.9	295.9	322.0	9.9	96.1		121.	
2.7	16.2	1204.7	875.0	11.1	10.7	320.1	8.3	5.3	-6.3	296.5	321.2	9.3	97•1		128.	
3.4	18.5	1446.5	850.0	9.6	9.1	309.2	7.6	5.9	-4.8	297.3	320.3	8.6	96.9	1.6	130.	
4.3	20.6	1694.7	825.0	8.3	7.8	308.6	9.4	7 3	-5.9	298.5	.320.4	8.1	96.7	2.0	129.	
5.2	23.0	1948.6	800.0	6.3	5.2	297.2	7.9	7.0	-3.6	298.7	317.8	7.0	92.8		129.	
6.1	25. 3	2208.7	775.0	4.5	2.6	292.9	7.9	7.2	-3.1	299.4	315.9	6.0	87.4		126.	
7.0	27.6	2475.5	750.0	3+1	1.6	291.4	7.1	6.6	-2.6	366.6	316.6	5.7	89.8		124.	
7.9	30.1	2749.9	725.0	1.4	0.2	285.8	6.3	6.0	-1.7	301.7	316.8	5.4	91.5		123.	
8.9	32.7	3032.4	700.0	0.3	-0.4	271.6	8.5	8.5	-0-2	303.5	318.6	5.3	95+2		121.	
9.9	35.3	3324.1	675.0	-0.9	-1.5	261.9	11.9	11.7	1.7	305 <b>-3</b>	319.9	5.1	95.6	_	116.	
11.1	37∙€	3625.2	650.0	-2.3	-2.8	253.9	14.9	14.3	4.1	307.0	320 • 9	4.8	96.1		110.	
12.1	4 C. 5	3936.4	625.0	-3.9	-4.4	250.4	17.7	16.6	5. 9	308.6	321 • 4	4.4.	95.8	6. 1	104.	
13.3	43.2	4258.1	600.0	-5.6	-6.2	253.3	19.9	18.1	5.4	310.1	322.0	4.0	95.6	7. 2	98.	
14.5	46.1	4591.0	575.0	-7.7	-8.3	258.2	20.4	20.0	4.2	311.4	322.0	3.6	95.4	8. 5	95.	
15.7	49-1	4936+6	550.0	-9.4	-10.0	263.8	21.7	21.5	2. 3	313.3	323.1	3.2	95.1	10.1	92.	
17.0	51.9	5295.3	525.0	-11.1	-11.9	266-0	22.0	21.9	1.5	315.4	324.4	2.9	94.4	11.7	92.	
18.3	55.1	5668.6	500.0	-13-5	-14.3	256.9	21.9	21.3	. 5. 0	316.8	324.7	2.5	93.6	13.4	91.	
19.7	58.1	6057.3	475.0	-16.3	-17.3	253.1	21.6	20.7	€.3	318.0	324.6	2.1	92.3	15.2	88.	
21.3	61.6	6462.5	450.0	-19-2	-20.3	252.5	22.2	21.2	6.7	319.3	324.7	1.7	90.8	17.2	87.	
22.5	65.1	6865.0	425.0	-23.3	-28.6	256.9	24.4	23.8	5.5	319.1	322.0	0.8	62.1	19.0	85.	
23. 9	68.5	732c.5	400.0	-26.3	-34.7	262.9	25.5	25.3	3. 2	320. €	322.6	0.5	44.4	21.0	85.	
25.5	72.1	7790.2	375.0	-29.6	-36.0	267.0	27.4	27.3	1.4	322.3	324.0	0.5	53.6	23. 3	85.	
27.0	76.2	8278.8	350.0	-33.5	-39.8	263.5	29.5	29.3	3.4	323.5	324.7	0.3	52.4	26.0	85.	
28.6	80.3	8795.4	325.0	-37.3	-43.5	258.1	34.3	33.5	7. 1	325.2	326.1	0.2	52.1	29.0	84.	
30.1	84.5	9343.3	300.0	-41.5	99.9	252.4	35.5	33.9	10.7	326.9	999.9	99.9	999.9	32.1	84.	
31.9	e9. 6	9927.9	275.0	-46.1	99.9	248.9	36.5	34 • 1	13.1	328.5	999.9	99.9	999.9	36.0	82.	
33. 7	93.9	10554.3	250.0	-51.4	99.9	246.6	35.7	32.8	14.2	329.6	999.9	99. 9	999.9	39. 7	81.	
35.6	99.0	11228.8	225.0	-57.6	99.9	244.8	39.2	35.5	16.7	330.2	999.9	99.9	999.9	43.9	79.	
37.7	104.3	11961.1	200.0	-64.3	99.9	248.2	38.5	. 35.7	14.3	331.0	999.9	99.9	999.9	48.7	7.5	
40.3	110.4	12775.1	175.0	-65.0	99.9	270.7	36.3	36.3	-0.4	342.7	999.9	99. 9	999.9	54.6	78.	
43.4	-116.8	13721.6	150.0	-60.9	<b>99.9</b>	270.2	25.1	25.1	-0-1	365.2	999.9	99.9	999.9	60.3	79.	
47.6	124.3	14858.1	125.0	-59-5	99.9	276.0	21.7	21.6	-2.3	387.3	999.9	99.9	999.9	67.0	82.	
52.8	132.5	16251.2	100.0	-59.2	99.9	278.0	13.5	13.4	-1.9	413-5	999.9	99.9	999.9	72.9	82.	
59.5	141.3	18039.5	75.0	-64.1	99.9	216.5	1.7	1.0	1.4	438.5	999.9	99.9	999.9	76.2	82.	
68.2	150.7	20551.1	50.0	-60-3	99.9	242.1	3.3	2.9	1.6	501.5	999.9	99.9	999.9	77.8	83.	
90.0	90.0	00.0	25.0	00.0	90.9	00.0	90.9	00.0	99.9	90.9	999.9	90.0	200	999.9	9994	

<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETHEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME FAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 528 BUFFALO. N Y

24 APRIL 1975 2315 GMT

132

98. 0

E POT T U COMP V CCMP POT T MX RTO RH RANGE AZ TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED GFM 48 DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MIN 80.0 0.0 0. 7.5 10.0 3.2 -0.6 -3.2 286.4 303.9 6.8 0.0 604 218.0 984.4 11.1 99.9 999.9 999. 9 999. 99.9 999.9 99. 9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 70.1 297.5 303e6 0.1 175. 298.4 975.0 11.5 6.2 342.6 3.0 0.9 -2.9 6.1 0.3 7.2 0.2 169. 267.6 304 e 1 80.4 1.0 5.4 515.1 950.0 9.5 6.3 339.6 2.9 1.0 -2.7 6.3 287.7 304.2 90.3 0.3 163. 925.0 7.4 5.9 307.4 3.6 2.9 -2.2 6.3 1.8 11.4 735.9 307.3 6.7 95.6 0.5 142. 289.6 2.5 13.6 961.6 900.0 7.0 6.4 285.0 6.7 6.4 -1.7 0.8 127. -2.9 292.2 304.3 4.4 59.5 3.3 15.9 1193.5 875.0 7.6 0.1 290.7 8.2 7.6 -1.7 305.7 3.7 45.6 1.2 121. 4.0 18.1 1432.7 850.0 8.4 -2.7 281.7 8.5 8.3 295.4 309.5 54.9 1.6 117. 20.4 1679.4 825.0 7.7 -0.8 288.4 8.8 B. 3 -2.8 297.3 4.4 4.8 5.6 22.5 1932.6 800.0 6.3 0.1 283.3 9.0 8.7 -2.1 29R.4 311.9 4.8 64.7 2.0 115. 2192.8 775.0 -1.9 285-1 11.0 10.7 -2.9 300.1 313.0 4.6 63.8 2.5 113. 6.5 25.2 5.3 750.0 3.3 -2.2 265.1 11.4 11.0 -3.0 300.8 313.1 4.4 67.0 3.1 111. 7.4 27.6 2460.1 725.0 -6.0 284.9 10.0 9.7 -2.6 302.1 310.7 2.9 48.1 3.7 110. 8.3 30.2 2734.5 2.1 32. 4 3016.9 700.0 0.2 -13.9 289.0 9.6 9.1 -3.1 303.0 308 . 6 1.9 33.6 4.2 110. 9-1 291.5 9.8 -3.8 303.8 309.3 1.9 37.6 4.7 110. 10.0 35.5 3307.4 675.0 -1.9 -14.4 10.5 5.3 110. 38.1 3606.7 650.0 -3.0 -25.9 289.0 11.6 11.2 -3.9 305.6 307.9 0.7 15.0 10.9 6.1 110. -2-0 307.7 308.6 C. 3. 7.7 11.9 40.3 3916.2 625.0 -4.2 -34.1 279.2 12.3 12.1 6. £ 198. 12.9 43.8 4236.5 600.0 -6.5 -33.7 280.B 11.4 11.2 -2.1 308.6 309.8 0.4 9.3 -3.0 309.6 310.8 0.3 10.0 7.3 104. 13.9 46.8 4567.4 575.0 -8.9 -34.9 283.6 12.9 12.5 B. 3 107. 49.9 4909.5 550.0 -11.7 -37.1 279.8 14.3 14.1 -2.4 310.1 311.1 0.3 10.0 14.9 9.3 106. -40.2 277.6 -2.0 312.2 313.0 0.2 8.3 16-1 52.9 5265.0 525.0 -13.5 14.9 14.8 10.4 105. 7.4 17.3 56.0 5634.5 500.0 -15.7 -43.0 268.7 17.5 17.5 0.4 313.9 314.5 0.2 11.6 103. 18.5 59.4 6020.3 475.0 -18.0 -32.5 263.7 18.4 18.3 2.0 315.7 317.4 0.5 26.8 13.2 101. 20.0 63.0 6422.8 450.0 -22.2 -32.3 266.5 19.2 19.2 1.2 315.4 317.3 0.6 39.2 21.4 6840.3 425.0 -23.5 -27.1 256.4 21.3 20.7 5.0 318.9 322.2 1.0 72.3 14.8 99. é6. 4 322.4 69.1 16.4 96. 22.7 70.1 7280.6 400.0 -27.0 -30.9 250.6 20.3 19.1 6.7 319.9 0.7 324.6 0.7 82.8 18.1 93. 74.0 7743.3 375.0 -29.8 -31.6 250.B 23.6 22.3 7.8 322.2 24.2 323.8 78.5 20.2 91. 325.6 0.5 25.6 78.2 8231.5 350.0 -33.3 -35.7 254.5 26.6 25.6 7. 1 99.9 324.6 999.9 999.9 22. B 83. 2733 £2.3 **2747.7** 325.0 -37.7 99.9 261.4 28.4 26.1 4.2 99.9 999.9 26. 2 69. 29.1 26.7 9295.5 300.0 -41.5 99.9 264.5 35.3 36.1 3.7 326.9 999.9 999.9 99.9 30.5 328.4 999.9 88. 30.9. 91.5 9890.3 275.0 -46.1 99.9 256.9 43.2 42.0 9.8 999.9 329.5 999.9 99.9 36.4 86. 33.0 95.4 19506.3 250.0 -51.5 99.9 253.6 44.9 43.1 12.7 330.9 999.9 99.9 999.9 42.8 101.6 -57.2 99.9 250.5 47.2 44.5 15.7 A3. 35.5 11181.8 225.0 333.2 999.9 99.9 999.9 49.5 82. 206.0 254.0 39.4 38.0 107.5 11915.5 -62.9 99.9 41.0 11.3 344.2 999.9 99.9 999.9 55. 7 81. 41.04 113.6 12736.3 175.0 -64.1 99.9 259.3 33.0 32.5 6.1 999.9 99.9 999.9 62.2 82. 44.3 120.7 13696.1 150.0 -58.5 99.9 268.1 31.7 31.7 1.0 369.3 99. 9 -54.9 275.4 28.7 -2.7 395.6 999.9 999.9 69.3 83. 48.5 120.3 14845.6 125.0 99.9 24.8 99.9 426.2 999.9 99.9 999.9 999.9 999. 53.5 136.3 16277.2 100.0 -52.6 99.9 999.9 99.9 99.9

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 532 PEORIA. ILL

### 24 APRIL 1975 2315 GMT

159

14. 0

TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME HEIGHT PRES CNTCT DG K GM/KG PCT KM DĞ DG C M/SEC M/SEC M/SEC DG K MIN GFM M8 DG C DG 83.0 0.0 C. 286.7 305.4 7.3 0.0 5.6 200.0 989.5 11.7 8.9 70.0 4.6 -4.3 -1.6 99.9 99.9 99.9 999.9 999.9 999.9 999. 99. 7 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 286.9 306.0 88.5 0.2 257. 321.6 975.0 10.7 8.9 75.9 5.7 -5.6 -1.4 7.4 0.3 6.6 -4.5 -0.1 287.0 305.9 7.3 97.9 0.4 259. 1.1 2. 7 539.6 950.0 8.7 8 . 4 88.5 4.5 94.8 -2.9 0.2 290.9 313.0 8.5 99.6 0.5 205 10.7 761.8 925.0 10.2 10.2 2.9 1.8 -0.1 292.0 313.2 8.1 99.4 0.5 265. -1.2 2.4 12. 8 989.9 900.0 9.1 9.1 86.7 1.2 0.3 294.1 313.0 7.1 85.4 0.6 266. 875.0 247.3 0.3 0.1 15.0 1224.1 9.0 6.7 3.1 0.6 252. -25.4 314.6 1.7 -1.6 297.1 298.9 0.6 6.2 1464.9 850.0 10.4 2.3 3.9 17.1 297.4 303.3 11.4 0.5 250. -18.2 2.9 -1.5 299.9 1.1 1713.2 825.0 10.6 3.2 4.7 19.4 304.6 1.3 15.5 0.4 240. 1968.3 300.0 -16.2 303.5 2.8 2.3 -1.5 300.5 5.3 21.5 8.6 775.0 300.6 305.7 1.7 22.4 0.4 215. -13.8 297.0 3.9 3.4 -1.6 23.8 2229.4 6.2 5.1 301.6 306.5 23.4 0.4 190. 2496.9 750.0 4.4 -14.6 258.9 5.2 4.9 -1.7 1.6 6.8 26.0 0.5 151. 302.8 307.4 1.5 23.5 2772.0 725.0 -16.0 283.0 7.5 7.4 -1.7 7.7 28.5 2.8 0.8 131. 304.6 309.1 1.5 23.5 8.4 31,0 3054.9 700.0 1.7 -16.9 276.2 7.8 7.8 -1.1 7.4 7.4 0.6 305.0 309.2 1.3 24.9 1.2 118. 9.4 33.7 3346.8 675.0 -0.7 -18.3 265.5 30.4 1.6 108. 1003 36.1 3646.6 650.0 -3.2 -18.1 255.9 8.4 8.1 2.0 305.5 309.9 1.4 1.9 100. 41.5 11.1 36.6 3955.4 625.0 -6.0 -17.0 252.3 10.3 9.8 J. 1 305.7 310.7 1.6 2.5 94. 12.9 41.2 4273.6 600.0 -8.2 -15.0 260.3 14.1 13.9 2.4 306.9 312.9 2.0 57.7 92. 4603.2 575.0 -9.3 -27.3 269.7 20.0 20.0 0. l 309.2 311.5 0.7 21.4 3.4 12.9 44.1 310.2 312.8 0.8 29.1 4.9 92. 14.0 46.9 4945.8 550.0 -11.8 -26.1 272.7 22.7 22.6 -1.1 310.6 313.6 0.9 40.9 6.4 92. 5299.8 525.0 -14.9 -25.2 273.0 21.3 21.3 -1.1 15.1 50.0 312.5 315.1 0.8 38.8 7.6 92. -27.6 269.1 19.5 0.3 16.1 52.9 5667.7 500.0 -16.9 19.5 313.9 315.2 0.4 22.5 8.7 91. 17.3 6051.1 475.0 -19.4 -35.5 263.1 19.3 19.1 2.3 55.9 315.8 316.1 0.1 5.7 10.5 95 21.4 1.8 19.6 59.0 6451.0 45C.C -21.8 -50.0 265.3 21.5 316.9 0.3 29.6 12.3 69. 315.8 62.5 6868.2 425.0 -25.9 -38.9 268.8 23.1 23.1 0.5 19.9 317.9 0.7 317.5 0.1 1.2.3 14.4 90 268.4 24.6 24.6 21.4 65. 9 7305.0 400.0 -28.8 -49.2 318.6 0.1 11.9 16.4 89. 318.3 22.8 65.4 7763.6 375.0 -32.7-52.5 269.6 26.5 26.5 C . 2 33.3 33.2 320.0 320.1 0.0 1.0 19.3 90. 24.4 73.0 8246.1 350.0 -36-1 -73.2 274.1 -2.4 -1.4 99.9 999.9 23.0 91. 8757.6 325.0 -39.2 99.7 272.1 37.8 37.8 322.7 999.9 26.1 77.1 999.9 39.9 2.5 323.0 99.9 999.9 26.9 90. 27.8 e1.2 9300.6 300.0 -44.3 99.9 266.5 39.9 324.3 999.9 99.9 99969 31.2 99. 29.5 85.4 9870.1 275.0 -49.0 99.9 263.7 45.3 45.1 €.0 47.8 325.2 999.9 99.9 509.9 36. 9 89. 5.9 31.5 90.0 10496.0 250.0 -54.4 59.9 263.0 48.A 999.9 99.9 999.9 44.3 37. 264.6 328.6 33.9 95.0 11164.1 225.0 -58.7 99.9 51.4 51.2 4.8 40.2 -0.0 336.9 999.9 99.9 929.9 51 . 4 88. 270.0 36.6 100.2 11901.5 200.0 -60.5 99.9 40.2 39.9 352.8 999.9 99.9 S9 9. 9 57.8 87. 253.7 11.7 39.7 106.0 12729.4 175.0 -58.8 99.9 41.6 999.9 63.5 99.3 262.3 24.1 23.9 3. 2 368.6 999.9 99.9 80. 13700.0 150.0 -58.9 42.9 112.3 29.4 3.6 387.3 999.9 99.9 999.9 70.5 86. 263.1 29.6 47.1 119.5 14643.4 125.0 -59-5 99.9 999.9 79.0 86. 271.1 23.9 23.9 -0.5 413.0 999.9 99.9 52.1 127.7 16246.1 100.0 -59.4 99.9 15.3 -2.5 442.6 999.9 99.9 999.9 84.0 85 58.5 137.0 18049.4 75.0 -6202 99.9 279.3 15.5 99.9 999.9 86.7 85 23590.8 -59.5 99.9 45.3 0.7 -0.5 -0.5 503.3 999.9 67.1 147.0 50.0 -53.0 59.9 93.5 5.4 -5.4 0.3 632.3 999.9 99.9 999.9 87.6 86. 80.5 158.0 25016.7 25.0

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. . 553

24 APRIL 2316 GHT 1975

153 13. 0

TIME	CHTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	
MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	-GM/KG	PCT	KM	DG
0.0	7.1	400.0	963.7	16.6	13.1	90.0	4.2	-4.2	0.0	294.2	320.2	9.9	80.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	9909	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99. 9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	939.
0.4	E . 2	522.0	950 <sub>•</sub> 0	15.5	11.7	87.7	5.3	-5.3	-0.2	294.1	318.2	9.2	78.4	0.2	256.
1.5	10.1	747.8	925.0	13.2	10.7	98.5	6.0	~5.9	0.9	294.0	317.1	8.8	84.9	0.5	268.
2.3	11.8	978.2	900.0	11.2	9.9	57.2	4.5	<b>~3.7</b>	-2.4	294.2	316.9	8.6	91.5	0.8	268.
3.3	13.9	1214.1	875.0	13.1	2.7	355.7	6.9	0.5	-6.9	298.1	312.9	5.4	49.7.	1.0	250.
4.2	15.9	1457.8	850.0	12.6	0.9	312.7	5.4	4.0	-3.7	300.0	313.5	4.8	44.7	1.0	230.
5.2	17.9	17,07.8	825.0	11.3	-0.9	280.4	5.0	4.9	-0.9	301.1	313.4	4.4	42.9	0.9	212.
6.1	20.1	1954.2	800.0	10.0	-2.6	259.3	6.1	6.0	1.1	302.3	313.6	3,9	45.0	0.6	192.
7.2	22.1	2227.0	775.0	7.8	-6.5	249.4	8.5	8.0	3.0	302.6	311.5	3.0	35.2	0.7	154.
8.2	24.3	2496.5	750.0	5. 7	-7•B	234.6	6.5	. 6.9	4.9	303.2	311.5	2.8	37. 1	0.9	117.
9.3	26.5	2772.9	725.0	3.6	-8.1	220.5	9.7	6.3	7.4	303.7	312.2	2.9	42.4	1.2	
10.3	28.7	3056.8	700.0	1.4	-7.8	221.7	11.5	7.7	8.6	304.5	313.4	3.0	50.2	1.6	<b>7</b> 2•
11.3	31.2	3348.2	675.0	-1.4	-9,2	230.0	12.5	9.6	6.0	304.5	312.8	2.8	55.2	2.3	64.
12.4	33.7	3647.7	650.0	-4.2	-10.F	238.4	12.6	10.7	6.6	304.6	312.4	2.6	61.0	3. 1	51.
13.5	36.3	3955.5	625.0	-6.7	- 1.6	243.7	12.5	11.2	5 · 5	305.1	312.6	2.5	68.3	4.0	52.
14.6	38.6	4273.7	600.0	-8.5	-10.7	246.5	12.8	11.7	5.1	306.6	315.0	2.8	84.0	4.8	62.
15. 8	41.2	4602+5	575.0	-10-7	-14.9	256.8	12.7	12.3	2. 9	307.7	314.1	2.1	71.0	5.7	63.
16.9	44.0	4943.0	550.0	-13.3	-17.1	266.5	13.8	13.8	0.6	308.5	314.1	1.8	72.5	6, 5	66∙
15.3	46.9	5296.7	525.0	-14.3	-36.3	276.4	18.7	18.6	-2.1	311.2	312.4	0.3	13.4	7. 5	70.
19.7	49.9	5664.8	500.0	-16.9	-37.2	278.4	22.0	21.8	-3.2	312.4	313.5	0.3	15.1	9.4	75.
21.3	52. 5	6047.4	475.0	-20.1	-39.4	276.1	21.5	21.4	-2.3	313.0	314.0	0.3	15.9	110 3	79.
22.7	55.6	6445.0	450.0	-23.9	-43.1	273.0	20.7	20.7	-1-1	313.1	313.8	0.2	15.0	13. 1	61.
24.2	59.1	6859.1	425.0	-27.6	-46.2	274.3	19.9	19.8	-1.5	313.5	314.0	0,1	14.9	14.8	
25.7	62.6	7291.5	400.0	-31.7	-48.5	269.6	20.7	20.7	0 e 1	313.7	314.2	0.1	16.9	16.6	84.
27.3	66.0	7743.7	375.0	-35.5	-51.5	264.8	23.7	23.6	2.2	314.5	314.8	0.1	17.4	18.6	84.
29.0	69.5	8221.0	350.0	-38.8	-47.8	251.7	23.7	22.5	7.4	316.3	316.8	0.1	38.3	21.2	
30.9	73.7	8725.2	325.0	-43.1	99.9	242.5	23.9	21.2	11.0	317.3	999.9	99.9	999.9	23.7	82·
32.9	78.0	9259.7	300.0	-47.4	99.9	238.2	26.4	22.4	13.9	318.6	999.9	99.9	999.9	26.7	79.
34.8	62.2	9828.4	275.0	-52.6	99.9	240.0	28.2	24.4	14.1	319.0	999.9	99.9	999.9	29.6	
37. 0	86.8	10440.0	250.0	-53.9	99.9	251.6	39.4	37.4	12.4	325.9	999.9	99.9	999.9	33.9	
39.6	91.8	11117.4	225.0	-53.4	99.9	256.9	38.5	37.5	8.7	336.7	999.9	. 99.9	999.9	40.2	
42.4	97.2	11871.6	200.0	-55.2	99.9	260.1	35.7		, 6.1	345.3	999.9	99. 9	999•9	46,8	7ۥ
45.3	103.0	12719.2	175.0	-58.3	99.9	253.7	33.6	32.3	9.5	353.8	999.9	99.9	999.9	51.7	76.
49.0	110.0	13697.0	150.0	-56.9	99.9	248.4	30.0	27.9	11.0	372.0	999.9	99.9	999.9	59. 1	77.
53-1	117.3	14851.9	125.0	-55.7	99.9	261.6	34.4	34.0	5.0	394.2	99909	99.9	999.9	66. 7	
58.1	125.7	16273.2	100.0	-56.3	99.9	250.4	21.4	20.1	7.2	419.0	833.8	9969	999.9	75.0	78.
64.8	135.3	18095.9	75.0	-56.8	99.9	252.7	19.8	18.9	5.9	453.9	999.9	99.9	999.9	83.9	77.
73.3	144.7	20668.1	50.0	-55.5	99.9	269.2	3.0	3.0	0.0	512.9	999.9	99.9	999.9	90.2	77.
87.1	154.3	25155-2	25.0	-50-1	99.9	63.0	3.6	-3.2	-1.6	641.0	999.9	99.9	999.9	87.6	79.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 562 NORTH PLATTE. NEB

											•		•		
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE AZ	
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM DG	
0.0	13.9	847.0	913.3	22.2	-3.2	320.0	7.7	4.9	-5.9	303.6	313.2	. 3.3	18.0	0.0 0.	,
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.	,
99.9	99. <del>9</del>	59.9	975.0	99.9	99.9	99.9	39.¢	99.9	99.9	99.9	999.9	99.9	999.9	999.9 939.	,
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.	,
90.9	99. 3	59.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999.9 999.	,
0.3	15.0	973.9	900.0	21.3	-7.2	999.9	99.9	99.9	ç <b>ç.</b> 9	303.8	311.1	2.5	14.0	999.9 999.	,
1.2	17.2	1216.2	675.0	18.6	-9.1	999.9	99.9	99.9	99. 9	303.5	310.0	2.2	14.2	999.9 999.	1
1.9	15.7	1463-1	850.0	16.0	-9.9	275.0	7.7	7.7	-0.7	303.2	309.5	2. 1	15.9	0.8 96.	,
2.5	21.9	1715-1	825.0	13.5	-10.9	277.6	7.3	7.3	-1.0	303.1	309.1	2.0	17.2	1.1 97.	,
3. 1	24.4	1972.8	800.0	11.1	-11.0	278.2	6.6	6.8	-1.0	303.2	309.4	2.1	19.9	1.4 95.	,
3.7	26.7	2236.4	775.0	8.8	-11.5	273.6	6.0	6.0	-0.4	303.5	309.6	2.1	22.5	1.6 97.	,
4.5	29.3	2506.2	750.0	5.9	-12.5	270.4	6.9	6.9	-0.1	303.3	309.1	1.9	25.1	1.9 97.	,
5.5	32.0	2782.1	725.0	3.2	-12.1	271.6	7.02	7.2	-0.2	303.2	309.4	2.1	31.4	2.3 .95.	,
6.3	34.7	3065.0	700.0	0.2	-12.5	276.7	7.7	7.7	0.9	303.0	309 • 2	2.1	37.9	2.7 75.	,
7.4	37.2	3355.1	675.0	-2.5	-12.6	279.0	9'- 1	9.0	-1.4	303.1	309.5	2.1	45.6	3.2 96.	,
8.4	40.0	3653.8	650.0	-2.8	-25.1	273.9	13.8	13.8	-0.9	305.€	308.3	0.8	16.0	. 3.9 96.	,
9.5	42.6	3954.3	625.0	-3.7	-36.3	273.5	14.9	14.9	-0.9	308.2	309.1	0.3	5.8	4.9 95.	,
10.7	45.4	4285.1	600.0	-6.3	-37.8	280.6	13.7	13.5	-2.5	308.9	309.7	0.2	6.1	5.9 95.	,
11.9	48.4	4616.2	575.0	-8.6	-36.8	285.9	13.4	12.9	-3.7	309.9	310.8	0.3	6.1	6.9 97.	,
13.3	51-1	4958.7	550.0	-11.6	-40.0	286.7	14.0	13.4	-4.0	310.3	311.1	0.2	7.4	6.0 98.	
, 14.8	54.3	5313.1	525.0	-14.6	-36.4	283.0	14.9	14.5	-3.4	310.9	312.0	0.3	13.5	9.3 99.	
16.2	57.3	5680.5	500.0	-17.5	-37.1	287.1	15.9	15.2	-4.7	311.7	312.7	0.3	16.2	10.5 100.	
17.5	60.6	6062.4	475.0	-20.5	-38.9	288.7	17.2	16.3	-5.5	312.6	313.6	0.3	17.2	11.9 101.	
18.9	64.0	6459.7	450.0	-24.3	-42.3	287.3	17.7	16.9	-5.3	312.7	313.4	0.2	16.8	13.3 101.	
20.5	67.3	6873.5	425.0	-27.6	~45.6	292.2	18.5	17-1	-7.0	313.6	314.2	0.1	16.0	15.1 172.	
22.2	70.7	7306.2	400.0	-31.6	-48.4	297.8	18.9	16.7	-8.8	313.9	314.3	0.1	17.0	17.0 104.	
24.0	74.5	7758.7	375.0	-35.9	-51.9	297.1	18.0	16.5	-8.4	314.0	314.3	0.1	17.4	19.0 105.	
25.8	76. 3	8234.1	350.0	-39.9	59.9	291.1	19.2	17.9	-6.9	314.9	999.9	99.9	999.9	20.9 106.	
27.6	<b>62.3</b>	8735.8	325.0	-44.4	99.9	289.3	17.1	16.1	-5.7	315.5	999.9	99.9	999.9	22.9 107.	
29.6	26.2	9267.8	300.0	-48.0	99.9	294.6	16.7	15.2	-7.0	317.7	999.9	99.9	999.9	24.9 107.	
31.8	90.7	9835.5	275.0	-52.2	99.9	288.0	12.7	12.0	-3.9	319.6	999.9	99.9	999.9	25.8 108.	
34.1	55.1	10447.7	250.0	-55.2	99.9	282.4	20.4	19.9	-4.4	324.1	999.9	99.9	999.9	29.1 177.	
36.5	100.0	11118.4	225.0	-54.6	59.9	278.9	19.7	19.5	-3.0	334.9	999.9	99.9	999.9	31.7 107.	
39.4	105.2	11870.7	200.0	-55.0	99.9	264.5	19.9	19.8	1.9	345.6	999.9	99.9	999.9	35.1 106.	
42.4	. 110.8	12720.6	175.0	-54.9	99.9	272.7	19.8	19.8	-0.9	359.2	999.9	99.9	999.9	38.8 134.	
45.9	116.5	13704.0	150.0	~55.0	59.9	276.5	21.2	21.0	-2.4	375.3	999.9	99.9	999.9	43.3 102.	
49.8	123. 9	14857.1	125.0	-59.3	99.9	259.1	20.0	19.7	3. 8	387.7	999.9	99.9	999.9	47.4 100.	
55.0	131.0	16263.3	100.0	-56.5	99.9	270.8	21.5	21.5	-0.3	418-6	999.9	99.9	999.9	53.2 98.	
61.6	139.0	18081-1	75.0	-57-5	99.9	245.6	15.4	14.0	6.4	452.4	999.9	99.9	999.9	59.4 90.	
70.6	147.0	20669.8	50.0	-56.2	99.9	312.4	6.6	4.9	-4+4	511.1	999.9	99. 9	999.9	66.7 95.	
63.9	155.3	25164-6	25.0	-50-0	69.0	323.5	3.2	1.9	-2.5	641.4	999.9	99.9	999.9	68.8 96.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 606 PORTLAND. ME

#### APRIL 1975 2315 GMT

159

22. 0 PRES TEMP DIR SPEED U COMP V CEMP PCT T E POT T MX RTO RH RANGE AZ TIME CNTCT **FEIGHT** DEW PT DG C M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM ÐG MIN GFM MB DG C DG 280.0 295.0 97.0 0.0 0.0 5.7 20.0 1008.2 6.7 6.3 340.0 3.1 1.1 -2.9 5.9 · C. 1000.0 13.1 2.2 -0.5 -2.1 280.5 295.6 5.9 97.1 0.1 138. 0.2 6.3 87.3 6.6 6.1 295.4 101.3 G. 2 151. 0.9 8.5 294.8 975.0 5.0 5.0 324.B 2.1 1.2 -1.7 280.9 5.6 284.6 301.0 101.5 0.3 130. 950.0 254.7 1.7 6.4 1.7 10.6 507.7 6.4 6.4 6.5 6.3 101.9 11.2 289.6 310.0 7.9 0.7 87. 2.5 12.9 728.2 925.0 9.0 9.0 240.8 12.9 6.3 10.7 292.4 314.3 101.6 76. 956.0 900.0 246.6 11.7 4.6 8.3 1.3 3.3 15.2 9.5 9.5 74. 76.6 3.9 17.4 1189.6 875.0 254.2 12.1 11.7 3.3 293.1 309.2 6.0 1.7 8.2 4.4 2.3 2.5 295.9 311.9 5.9 71.5 75. 19.9 1429.7 850.0 258.1 12.0 11.7 4.8 8.5 3.7 72.9 1676.2 1.7 296.5 311.6 5.5 2.9 70. 22.1 825.0 6.8 2.3 261.6 11.8 11.7 5.5 297.8 313.0 77.8 77. 6.4 24.6 1928.9 800.0 5.5 2.0 265.0 10.5 10.4 0.9 5.5 3. 4 -0.4 299.3 313.5 74.4 7.2 26. 9 2188.4 775.0 4.5 0.4 272.7 9. I 9.1 5.1 3. 9 78. 750.0 29.5 2455.1 2.5 0.9 283.0 9.0 8.8 -2.0 300.0 315.2 5.5 89.2 4.3 80. 8.0 315.1 8.9 32. i 2728.6 725.0 0.3 -0.2 286.8 . 9.4 9.0 -2.7 300.5 5.2 96.3 4.8 83. 10.0 34.9 3009.5 700.0 -1.7 -2.3 285.2 9.5 9.2 -2.5 301.2 314.3 4.6 96.0 5.3 86. 11.0 37.3 3299.0 675.0 -3.1 -3.2 281.7 10.0 9.8 -2.0 302.B 315.5 4.5 98.6 5.9 37. 12.0 40.2 3596.6 650.0 -5.4 -14.1 278.5 11.2 11.0 -1.6 303-1 309.3 2.1 53.1 6.5 89. 11.8 305.5 309.5 33.7 13.1 42.9 3903.9 625.0 -6.2 -19.6 284.9 12.2 -3.1 1.3 7. 2 90. 14.1 45. 9 4222.1 600.0 -8.5 -13-0 283.1 13.9 13.6 -3.2 306.5 313.6 2.3 70.0 8.0 72. 307.6 314.6 2.3 79.0 **32** • 15-1 48. 3 4551.0 575.0 -10.8 -13.7 275.6 13.6 13.5 -1.3 8. 9 4891.9 316.6 84.6 51.6 550.0 -12.4 -14-4 262.4 13.1 13.0 1.7 309.6 2.3 9.7 92. 16.2 317.8 81.9 17.6 54.8 5246.5 525.0 -14.2 -16.6 264.5 17.0 16.9 1.6 311.6 2.0 10.9 91. 5614.8 77.2 57.9 500.0 -17.0 -20.0 272.0 22.8 -0.8 312.4 317.4 1.6 12.4 90. 18.9 22.8 61.3 5997.9 475.0 -20.0 -22-1 277.8 -2.6 313.3 317.7 1.4 83.2 14.2 91. 20.2 19.0 18.8 52.5 21.8 64.7 6396.6 450.0 -23.2 -30.2 272.7 21.0 21.0 -1.0 314.1 316.4 0.7 15.9 92. 23.2 68.0 6813.1 425.0 -25.3 -66-1 277.9 25.1 24.8 -3.4 316.5 316.6 0.0 1.0 17.9 **32**• 24.9 71.4 7251.4 400.0 -27.6 -6706 277.6 32.3 32.0 -4.2 319.0 319.0 0.0 1.0 20.9 93. 26.4 75.3 7711.9 375.0 -31.2 -69.9 272.8 -1.7 320.2 320.3 0.0 1.0 35.3 35.2 24.0 93. -0.9 25. 2 79.3 8198.0 350.0 -34.1 -71.9 271.3 38.0 38.0 322.7 322.7 0.0 1.0 27.9 93. 30.2 -74.3 83.2 8712.9 325.0 -37.7 -7.5 324.6 324.6 0.0 1.0 93. 281.1 39.2 38.5 32.3 300.0 99.9 -9.4 32. 2 27. 3 9250.8 -43.0 283.8 39.2 38.0 324.8 999.9 99.9 999.9 37.0 34. 34.3 92.0 9838.6 325.6 999.9 99.9 999.9 275.0 -48.0 99.9 285.9 44.3 42.6 -12.1 42. 2 96. -52.7 97. 36.4 96.5 10461.3 250.0 284.5 51.2 49.5 -12.9 327.7 999.9 99.9 999.9 48.0 99.9 101.5 11133.9 -57.6 330.2 999.9 99.9 999.9 38.8 225.0 99.9 282.4 48.5 47.3 -10-4 54.5 35. 41.2 107.3 11866.4 -63.8 331.8 999.9 99.9 999.9 62.7 200.0 99.9 281.8 32.8 32.1 -6.7 96. 69.7 99. 43.7 113.0 12675.8 175.0 -65.2 99.9 281.9 48.6\* 47.6 -10.9 342.4 999.9 99.9 999.9 47. 3 119.7 13632.7 150.0 -59.5 99.9 291.5 28.5\* 26.6 -10.5 367.6 999.9 99.9 999.9 77.5 99. 127.0 14779.9 125.0 -59.0 99.9 290.2 26.0 24.4 -9.0 388.2 999.9 99.9 999.9 83.8 101. 51 . 1 135.3 16197.0 -55.0 99.9 -4.7 421.4 999.9 99.9 999.9 90.3 101. 55.7 190.0 294.3 11.4. 10.4 75.0 11.4 9.7 94.8 101. 61.1 143.3 18021.4 -59.3 99.9 301.9 -6.0 448.7 999.9 99.9 999.9 152.7 20584.1 99.9 1.5 -1.3 514.3 999.9 99.9 999.9 98.3 102. 69.3 50.0 -54.9 311.6 2.0 83.0 161.7 25023-9 25.0 -52.7 99.9 76.6 2.5 -2.4 -0.6 633.5 999.9 99.9 999.9 98.8 103.

<sup>#</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 637 FLINT, MICH

# 24 APRIL 1975 2315 GMT

165 17. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEFD	U COMP	V CCMP	POT T	E POT T	MX RTO	RH PCT	RANGE	_
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCI	. км	DG
0.2	5.8	236.0	985.8	8.9	4.5	30.0	4.7	-2.3	-4.1	283.9	297.9	5.4	74.0	0.0	0.
99.9	99. 9	99.9	1000-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
0.3	6.9	326.9	975.0	7.0	1.6	3.0	3.8	-0-2	-3.8	282.8	294.3	4.4	68.2		
1.2	<b>5.</b> 0	539.8	950.0	4.8	3.0	1.0	4.5	-0.1	-4.5	282.7	295.8	5.0	86.2		189.
2.0	11.0	756.7	925.0	3.0	2.4	355.4	5.9	0.5	-5.9	283.0	295.8	4.9	95.8		185.
2.9	. 13.3	978.2	900.0	1 • 1	0 • 5	345.1	5.4	1.4	-5.2	283.2	294.7	4.4	95.9		180.
3.9	15.5	120€.8	875.0	5.8	-3.3	325.4	3.9	2.2	-3.2	290.3	300.1	3.6	55.0		175.
4.6	17.7	1444.3	850.0	6.4	-7.4	323.3	4.6	2.8	-3.7	293.2	360.5	2.6	36.6		
. 5.4	20.2	1688.9	825.0	5.9	-6.4	304.2	5.0	4.1	-2.8	295.3	303.4	2.9	40.7		160.
6.2	22.4	1940.6	800.0	5.3	-6.2	296.0	4.5	4.0	-2.0	297.1	305.7	3.0	43.4		159.
7.1	24.8	2199•1	775.0	3.6	-6.6	285.1	5.3	5.1	-1.4	298.0	306.7	3.0	47.3		
8.1	27.3	2464.9	750.0	2.7	-17.9	284.6	7.6	7 • 3	-1.9	299.6	303.4	1.2	20.2		145.
9.0	29.8	2738.6	725.0	1.7	-19.8	291.2	. 8.0	7.4	-,2.9	301.4	304.8	1.1	18.5		139.
10.0	32.5	3020.4	70.0 • 0	0.0	-20.7	294.7	9.1	6.2	~3.8	302.6	305.9	1.1	19.3		135.
10.9	35. 2	3310.6	675.0	-1.9	-21.6	292.3	10.4	9.6	- 3. 9	303.6	306.8	1.0	20.4		132.
12.0	27.7	3609.5	650.0	-3.7	-23.3	289.8	11.3	10.6	-3.8	304∙€	307.7	0.9	20.1		124.
13.0	40.4	3918.1	625.0	-5.4	-27.8	293•5	12.3	11.2	-4.9	306.3	308.3	0.6	15.1		
14-1	43.2	4237.0	600.0	-7.6	-29.2	296.0	13.9	12.5	-e. 1	307•4	309.3	0.6	15.6		124.
15.1	46.3	4566.5	575.0	-10.5	-31.5	291.0	14.7	13.7	-5.3	307.7	309.3	0.5	15.9		123.
16.2	49.3	4905.9	550.0	-13.2	-33.6	286.1	15.5	14.9	-4.3	308.4	309.8	0.4	16.1		121.
17.3	52.1	5259.4	525.0	-15.7	-35.5	280.0	15.0	14.8	-2.6	309+6	310.8	0.3	16.3		117,
18.7	55.4	5625.7	500.0	-18.6	-37.8	276.6	15.5	15.4	-1.8	310.4	311.4	0.3	16.4		116.
19.9	50.5	6006-2	475.0	-21.3	-31.6	277.4	16.0	15.8	-2.1	311.6	313.6	0.6	40.6		114.
21.3	€2.0	6404.0	450.0	-23.0	-30.0	278.1	15.5	15.3	-2.2	314.3	316.6	0.7	52.5		112.
22.5	65.4	6820.3	425.0	-26.5	-33.2	272.8	16.2	16.2	-G. B	315.0	315.8	0.5	53.0		111.
24.0	69. 0	7255.3	400.0	-29-1	-31.3	273.0	19.3	19.3	-1.0	317.1	319.5	0.7	81.1	14.5	
25.5	72.6	7714.1	375.0	-32.2	-36.8	274.0	19.2	19.1	-1.3	319.0	320.5	G • 4	63.2	16.3	
27.2	76.7	8197.6	350.0	-35.5	-51 - 1	267.1	21.1	21.1	1.0	320.9	321.2	0 • 1	18.8		196.
29.0	80.7	8709.1	325.0	-39.7	99.7	270.0	20.7	20.7	-0.0	321.9	999.9	99.9	999.9		104.
30.8	85.0	9250.6	300.0	-44.4	99.9	272.7	24.0	24.0	-1.1	322.8	999.9	99.9	999.9		
32.9	<b>e</b> 9.5	9826.6	275.0	-49.8	99.9	271.5	25.4	25.4	-0.6	323 <b>.</b> 2,	999.9	99.9	999•9		101.
35.0	94.6	10442.7	250.0	-55.4	99.9	272.4	31 • 1	31.1	-1.3	323.8	999.9	99.9	99969	29. 2	
37.2	99.6	11109.5	225.0	-58.8	99.9	260.8	32.4	32.0	5• 2	328.4	999.9	99.9	999.9	33. 5	
39.7	105.2	11847.8	200.0	-58.6	99.9	261.0	33.2	32.d	€. 2	340.0	999.9	99.9	999,9	38.1	96.
42.3	111.3	12689.5	175.0	-58.0	99.9	260.5	32.8	32.3	5.4	354.2	999.9	99.9	999.9	43.0	
45.3	118.0	13562.4	150.0	-58.5	99.9	264.0	25•2	25.1	2.6	369 <b>. 3</b>	999.9	99.9	999.9	48.5	
49.0	125.9	14812.8	125.0	-56.5	99.9	262.4	23.5	23.3	3. 1	392.7	999.9	99.9	999.9	54.3	
53.3	134.5	16231.4	100.0	-55.9	99.9	271.4	20.0	20.0	-0.5	419.7	999.9	99.9	999.9	60.2	
58.7	143.5	18068-8	75•0	-58.8	99.9	249.5	4.9	4.6	1.7	449.7	999.9	99.9	999.9	64.7	
66.0	154,0	20609.0	50.0	-56.7	99.9	246.3	4-4	4.0	1.9	510.0	999.9	99.9	999.9	66.5	
77.5	166. 7	25046.1	25.0	-53.1	99.9	90.7	3.9	-3.9	0.0	632.1	999.9	99.9	995.9	66. 9	92.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 645 GREEN BAY, WIS

24 APRIL 1975 2315 GMT

MIN				· .			24	2315 G	. 1975 MT		•			1	59 12	. 0	
0.0 6.7 210.0 99.8 8.9 1.8 50.0 4.2 -3.2 -2.7 223.5 295.0 4.4 61 09.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.		CNTCT						-					_	RH	RANGE	AZ DG	
99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.	MIN		GFM	MB	DG C	DG C	DG	MISEC	M/SEC	MISEC	DG K	DG K	GMAKG	PCI	~~	9G	
0.5	0.0	6.7	210.0	989+8	8.9	1.8	50.0	4.2	-3.2	-2.7	283.5	295.0	4.4	61.0	0.0	0.	
1.4 10.5	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99•9	99.9	999.9	99.9	999.9	999. 9	933.	
2.3 12.8 765.9 925.0 4.2 0.9 41.6 6.8 -4.5 -5.1 284.1 295.7 4.4 79 3.1 15.2 988.4 900.0 2.6 -0.7 44.8 8.7 -6.1 -6.1 244.7 295.4 4.0 78 3.9 17.5 1216.3 875.0 2.6 -3.5 53.9 8.8 -7.1 -5.2 287.0 296.2 3.4 65 4.8 20.0 1451.6 850.6 4.1 -6.3 65.5 5.2 -4.7 -2.2 200.8 298.6 2.8 46 5.7 22.3 1694.1 825.0 3.1 -0.9 45.4 2.6 -1.9 -1.9 203.0 30.0 2.8 47 6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.9 203.0 301.2 2.9 55 7.7 27.4 2198.3 775.0 1.3 -23.2 331.1 3.9 1.9 -3.4 295.3 298.5 1.1 20 8.5 30.1 2462.2 750.0 1.5 -35.7 321.7 5.8 3.6 -4.6 298.2 299.0 0.2 4 9.5 32.7 273.4 0725.0 -0.3 -36.6 314.6 7.2 5.1 -5.0 299.2 299.0 0.2 4 10.7 35.5 3014.2 700.0 -1.3 -37.1 306.6 8.2 6.6 -4.9 301.1 301.9 0.2 4 11.7 38.3 332.8 675.0 -3.0 -3.0 -3.8 0 303.1 9.3 7.8 -5.1 302.3 303.0 0.2 4 12.8 40.9 360.4 650.0 -5.3 -20.5 296.3 10.3 9.2 -4.6 303.0 305.6 1.1 29 13.8 43.8 3907.1 625.0 -7.2 -32.7 293.2 12.1 11.2 -4.8 304.3 305.6 0.4 11 4.9 46.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 11 18.4 55.8 5243.3 525.0 -16.3 -39.0 278.9 16.0 15.8 -3.3 307.8 308.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.0 15.8 3.3 11.2 309.5 307.7 0.6 17 19.7 59.1 5607.9 500.0 -19.3 -7.1 281.8 15.5 14.7 -4.9 306.2 307.6 0.4 14 18.4 55.8 5243.3 525.0 -16.3 -39.0 278.9 16.0 15.8 -3.3 307.8 308.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12 21.0 62.5 5997.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12 22.5 65.9 63.8 310.6 550.0 -5.9 -3.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 60.8 810.6 530.0 -5.9 -3.9 -3.5 5.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 2.3 39.3 55.0 866.1 3360.8 250.0 -5.9 9.9 255.2 20.5 20.5 20.5 20.1 31.9 39.9 99.9 99.9 99.9 30.9 31.9 31.0 30.9 30.9 99.9 99.9 30.9 31.9 31.0 30.9 30.9 99.9 99.9 30.9 31.9 31.0 30.9 30.9 99.9 99.9 30.9 31.9 31.0 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.9 372.6 99.9 99.9 99.9 30.0 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5 30.0 0.5	0.5	8.2	334.6	975.0	7.8	1.7	75.7	3∙5	-3.5	-0.6	283.6		4.4	65.3		235	
3.1 15.2 988.4 900.0 2.6 -0.7 44.8 8.7 -661 -661 284.7 295.4 4.0 78 3.9 17.5 1216.3 875.0 2.6 -3.5 53.9 8.8 -7.1 -56.2 287.0 296.2 3.4 65 4.8 20.0 1851.6 850.0 4.1 -6.3 65.5 5.2 -4.7 -2.0 290.8 298.6 2.8 46 5.7 22.3 1694.1 825.0 3.1 -6.9 45.4 2.6 -1.9 -1.8 292.2 300.0 2.8 47 6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.8 292.2 300.0 2.8 47 6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.9 293.0 301.2 2.9 55 7.7 27.4 2198.3 775.0 1.3 -23.2 331.1 3.9 1.9 -3.4 295.3 296.5 1.1 20 8.5 30.1 2462.2 750.0 1.5 -35.7 321.7 5.8 3.6 -4.6 298.2 299.0 0.2 4 9.5 32.7 2734.0 725.0 -0.3 -36.6 314.6 7.2 5.1 -50.0 299.2 299.9 0.2 4 10.7 35.5 3014.2 700.0 -1.3 -37.1 306.6 8.2 6.6 -4.9 301.1 301.9 0.2 11.7 38.3 332.8 675.0 -3.0 -38.0 303.1 9.3 7.8 -56.1 302.3 303.0 0.2 4 11.7 38.3 3302.8 675.0 -3.0 -38.0 303.1 9.3 7.8 -56.1 302.3 303.0 0.2 4 11.8 40.9 3600.4 650.0 -5.3 -20.5 296.3 10.3 9.2 -4.6 303.0 306.6 1.1 29 13.8 43.8 3907.1 625.0 -7.2 -32.7 293.2 12.1 11.2 -4.8 304.3 305.6 0.4 11 4.9 46.9 4224.5 600.0 -8.9 -29.0 288.5 13.8 13.1 -4.4 305.9 307.7 0.6 17 16.1 40.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.0 0.4 14 17.3 52.3 4891.5 550.0 -13.7 -37.1 261.8 16.0 15.8 -3.3 307.8 308.7 0.3 11 18.4 55.8 5243.3 \$25.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.0 18.8 13.1 -4.4 305.9 307.7 0.6 17 16.1 40.9 4552.1 575.0 -16.4 -33.3 275.3 18.0 16.8 13.8 31.3 31.9 0.2 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.0 18.8 13.1 -4.4 305.9 307.7 0.6 17 22.5 50.9 6383.5 500.0 -2.7 -2.6 -4.7 -8 2.7 -1.9 16.0 15.8 -3.3 307.8 308.7 0.3 11 18.4 55.8 5243.3 \$25.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12 22.5 50.9 6383.5 450.0 -2.6 -4.7 -8 2.5 2.1 -1.1 -1.7 -4.9 306.2 307.6 0.4 14 22.5 50.9 6383.5 450.0 -2.6 -4.7 -8 2.5 2.0 -2.0 -0.8 312.2 313.6 0.1 9 23.9 9.5 5777.3 450.0 -4.7 -2.2 -2.7 -2.7 -2.7 -2.7 -2.7 -2.7 -2	1.4	10.5	548.1	950.0	5.8	1.3	37.5	4.7	-2.9	-3.7	283.6	295.3	4.4	73.1		232.	
3.0 17.5 1216.3 875.0 2.6 -3.5 53.9 8.8 -7.1 -5.2 287.0 296.2 3.4 65   3.8 20.0 1451.6 850.0 4.1 -6.3 65.5 5.2 -4.7 -2.2 290.6 298.6 2.8 46   5.7 22.3 1694.1 825.0 3.1 -6.9 45.4 2.6 -1.9 -1.8 292.2 300.0 2.8 47   6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.8 292.2 300.0 2.8 47   7.7 27.4 2196.3 775.0 1.3 -23.2 331.1 3.9 1.9 -3.4 295.3 329.5 1.1 20   8.5 30.1 2462.2 750.0 1.5 -35.7 321.7 5.8 3.6 -4.6 298.2 299.0 0.2 4   9.5 32.7 2734.0 725.0 -0.3 -36.6 314.6 7.2 5.1 -5.0 299.2 299.9 0.2 4   10.7 35.5 3014.2 700.0 -1.3 -37.1 306.6 8.2 6.6 -4.9 301.1 301.9 0.2 4   11.7 38.3 3332.8 675.0 -3.0 -3.0 -3.0 303.1 9.3 7.8 -5.1 302.3 303.0 0.2 4   12.8 40.9 300.4 650.0 -5.3 -20.5 296.3 10.3 9.2 -4.6 303.0 306.6 1.1 29   13.8 43.8 3907.1 625.0 -7.2 -32.7 293.2 12.1 11.2 -4.8 304.3 305.6 0.4 11   14.9 40.8 4224.5 600.0 -8.9 -29.0 288.5 13.8 13.1 -4.4 305.9 307.7 0.6 17   16.1 49.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 14   17.3 32.3 4991.5 550.0 -13.7 -37.1 281.8 16.1 15.8 -3.3 307.8 300.7 0.2 12   19.7 59.1 5607.9 500.0 -19.3 -37.1 281.8 16.1 15.8 -3.3 307.8 300.7 0.2 12   21.0 62.5 5097.7 475.0 -21.6 -43.1 275.2 26.2 21.4 21.3 -1.9 311.3 311.9 0.2 12   22.5 65.9 633.5 450.0 -24.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12   22.5 65.9 639.5 6797.3 425.0 -27.6 -47.8 27.2 12.2 20.6 20.5 1.7 313.3 313.6 0.1 0.2   22.5 65.9 6797.3 425.0 -27.6 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 0.2   23.0 69.5 6797.3 425.0 -27.6 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 0.2   23.0 69.5 6797.3 300.0 -31.6 -52.9 261.7 18.2 18.0 2.6 13.9 311.3 315.6 0.1 10   27.0 76.9 7683.4 375.0 -31.6 -50.9 261.7 18.2 18.0 2.6 13.9 314.0 999.9 999 999   32.1 89.2 9155.3 300.0 -47.2 99.9 255.2 30.1 20.5 20.5 1.7 313.3 315.6 0.1 10   27.0 76.9 7683.4 375.0 -31.6 -50.9 99.9 255.2 30.1 20.5 20.5 1.7 313.3 315.6 0.1 10   27.0 76.9 7683.4 375.0 -50.4 99.9 255.2 30.1 29.1 77.7 321.8 999.9 99.9 99.9 99.9 99.9 99.9 99.9	2.3	12.8	765.9	925.0	4.2	0.9	41.6	6.8	-4.5	-5.1	284.1			79.0		227.	
4.8 20.0 1451.6 850.0 41 -6.3 65.5 5.2 -4.7 -2.2 290.8 298.6 2.8 46 5.7 22.3 1694.1 825.0 3.1 -6.9 45.4 2.6 -1.9 -1.8 292.2 300.0 2.8 47 6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.9 293.0 301.2 2.9 55 7.7 27.4 2198.3 775.0 1.3 -23.2 331.1 3.9 1.9 -3.4 295.3 298.5 1.1 20 8.5 30.1 2462.2 750.0 1.5 -35.7 321.7 5.8 3.6 -4.6 298.2 299.0 0.2 4 9.5 32.7 2734.0 725.0 -0.3 -36.6 314.6 7.2 5.1 -5.0 299.2 299.9 0.2 4 10.7 35.5 301.2 700.0 -1.3 -37.1 306.6 8.2 6.6 -4.9 301.1 301.9 0.2 4 11.7 38.3 332.8 675.0 -3.0 -38.0 303.1 9.3 7.8 5.1 302.3 303.0 303.0 0.2 4 11.7 38.3 332.8 675.0 -3.0 -38.0 303.1 9.3 7.8 5.1 302.3 303.0 306.6 1.1 29 13.8 43.8 3907.1 625.0 -7.2 -32.7 293.2 12.1 11.2 -4.8 304.3 305.6 0.4 11 4.9 46.3 4224.5 000.0 -8.9 -29.0 288.5 13.8 13.1 -4.4 305.9 307.7 0.6 17 11.4 49.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 14 17.3 52.3 4891.5 550.0 -11.3 7 -37.1 281.8 16.1 15.8 -3.3 307.8 308.7 0.3 11.8 18.4 55.8 5243.3 325.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.9 18.8 -1.9 311.3 311.9 0.2 12 12.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.0 22.0 -0.8 312.2 312.6 0.1 9 23.9 69.5 677.3 425.0 -24.6 -52.9 261.7 18.2 18.0 18.8 10.0 15.8 -2.5 308.6 309.7 0.2 12 22.5 65.9 638.5 677.3 425.0 -24.6 -52.9 261.7 18.2 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	3.4	15.2	988.4	900.0	2.6	-0.7	44.8	8.7	~6•1	-6•1	284.7		-	78.4		225.	
5.7 22.3 1694.1 825.0 3.1 -0.9 45.4 2.6 -1.9 -1.8 262.2 300.0 2.8 47 6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.9 293.0 301.2 2.9 55 7.7 27.4 2198.3 775.0 1.3 -23.2 331.1 3.9 1.9 -3.4 295.3 298.5 1.1 20 8.5 30.1 2462.2 750.0 1.5 -35.7 321.7 5.8 3.6 -4.6 298.2 299.0 0.2 4 9.5 32.7 2734.0 725.0 -0.3 -36.6 314.6 7.2 5.1 -5.0 299.2 299.9 0.2 4 10.7 35.5 3014.2 700.0 -1.3 -37.1 306.6 8.2 6.6 -4.9 301.1 301.9 0.2 4 11.7 38.3 332.8 675.0 -3.0 -38.0 303.1 9.3 7.8 -5.1 302.3 303.0 0.2 4 11.8 40.9 3600.4 650.0 -5.3 -20.5 296.3 10.3 9.2 -4.6 303.0 306.6 1.1 29 13.8 43.8 3907.1 625.0 -7.2 -22.7 293.2 12.1 11.2 -4.8 304.3 305.6 0.4 11 14.9 46.9 4224.5 600.0 -8.9 -29.0 288.5 13.8 13.1 -4.4 305.9 307.7 0.6 17 16.1 40.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 14 18.4 55.9 5243.3 525.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12 19.7 50.1 507.9 500.0 -1.9 -41.3 275.3 18.9 16.8 -1.7 309.5 110.2 0.2 12 21.0 62.5 5987.7 475.0 -21.6 -4.31 275.3 18.9 16.8 -1.7 309.5 110.2 0.2 12 22.5 65.9 6383.5 450.0 -24.6 -4.9 -7.2 65.2 20.6 20.5 1.7 313.3 313.9 0.2 12 22.5 65.9 6383.5 450.0 -24.6 -4.9 -7.2 26.7 18.2 18.0 16.0 15.8 -2.5 308.6 309.7 0.2 12 22.5 65.9 6383.5 450.0 -24.6 -4.9 26.1 7.7 18.2 18.0 2.6 13.3 31.9 0.2 2.2 2.2 2.2 2.9 2.9 2.0 2.0 2.0 2.0 0.8 312.2 312.6 0.1 9 25.5 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 27.0 76.9 7683.4 375.0 -34.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8100.6 350.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 315.6 0.1 10 28.5 80.6 810.3 82.0 -47.8 99.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9	3.9	17.5	1216.3	875.0	2.6	-3.5	53.9	8.8	-7.1		287.0			65.0		2200	
6.7 25.0 1942.7 800.0 1.4 -6.6 45.1 2.7 -1.9 -1.9 293.0 301.2 2.9 55 7.7 27.4 2192.3 775.0 1.3 -23.2 331.1 3.9 1.9 -3.4 295.3 298.5 1.1 20 8.5 30.1 2462.2 750.0 1.5 -35.7 321.7 5.8 3.6 -4.6 298.2 299.0 0.2 4 9.5 32.7 2734.0 725.0 -0.3 -36.6 314.6 7.2 5.1 -5.0 299.2 299.9 0.2 4 10.7 35.5 301.4 2 700.0 -1.3 -37.1 306.6 8.2 6.6 -4.9 301.1 301.9 0.2 4 11.7 38.3 3302.8 675.0 -3.0 -38.0 303.1 9.3 7.8 -5.1 302.3 303.0 0.2 4 11.8 40.9 3600.4 650.0 -5.3 -20.5 296.3 10.3 9.2 -4.6 303.0 306.6 1.1 29 13.8 43.8 3907.1 625.0 -7.2 -32.7 293.2 12.1 11.2 -4.8 304.3 305.6 0.4 11 14.9 46.9 4224.5 600.0 -8.9 -29.0 286.5 13.8 13.1 -4.4 305.9 307.7 0.6 17 16.1 49.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 14 17.3 52.3 4891.5 550.0 -13.7 -37.1 281.8 16.1 15.8 -3.3 307.8 308.7 0.3 11 18.4 55.8 5243.3 3525.0 -16.3 -39.0 278.9 16.0 15.8 -25 308.6 309.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.9 18.8 -1.7 309.5 310.2 0.2 12 21.0 62.5 597.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12 22.5 65.3 6383.5 450.0 -24.6 -47.8 272.1 22.0 22.0 -0.8 312.2 312.6 0.1 9 23.9 69.5 6797.3 425.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 9 32.1 89.2 9159.3 300.0 -47.2 99.9 261.7 18.2 18.0 2.6 313.9 99.9 99.9 99.9 99.9 99.9 99.9 99.	4.8	20.0	1451.6	850.C	4.1	-6.3	65.5	5.2						46.8		2200	
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10.9 46.9 4224.5 600.0 -8.9 -29.0 288.5 13.8 13.1 -4.4 305.9 307.7 0.6 17 16.1 49.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 14 17.3 52.3 4891.5 550.0 -13.7 -37.1 281.8 16.1 15.8 -3.3 307.8 308.7 0.3 11 18.4 55.9 524.3 325.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.9 18.8 -1.7 309.5 310.2 0.2 12 21.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12 22.5 65.9 638.5 450.0 -24.6 -47.8 272.1 22.0 22.0 -0.8 312.2 312.6 0.1 9 23.9 69.5 6797.3 425.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 9 25.5 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 28.5 80.8 8100.6 375.0 -34.9 +55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8100.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 39.3 25.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 34.0 93.8 976.5 275.0 -51.8 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 34.0 93.8 976.5 275.0 -51.8 99.9 265.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 36.2 68.6 10380.8 250.0 -56.5 99.9 255.5 30.1 29.1 7.7 321.8 999.9 99.9 99.9 99.9 36.2 68.6 10380.8 250.0 -56.5 99.9 255.5 28.3 37.8 5.1 339.4 999.9 99.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 99.9 57.2 136.8 14764.4 125.0 -56.3 99.9 263.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 99.9 99.9 99.9 99.9 99.9 99.9 99.	12.8	40.9	3600∙4	650.0	-5.3	-20.5				-				29.2		177.	
16.1 49.9 4552.1 575.0 -11.8 -33.3 288.4 15.5 14.7 -4.9 306.2 307.6 0.4 14.7 17.3 52.3 4891.5 550.0 -13.7 -37.1 281.8 16.1 15.8 -3.3 307.8 308.7 0.3 11.8 18.4 55.9 5243.3 525.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12.9 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.9 18.8 -1.7 309.5 310.2 0.2 12.2 1.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12.2 1.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12.2 1.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12.2 1.0 62.5 5987.7 475.0 -21.6 -47.8 272.1 22.0 22.0 -0.8 312.2 312.6 0.1 9.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		43.8	3907 • 1											11.2		167.	•
17.3	14.9	46.5	4224.5	600.0	-8.9	-29+0	288.5	13.8	13.1	-4.4	305.9			17.7		157.	
18.4 55.8 5243.3 525.0 -16.3 -39.0 278.9 16.0 15.8 -2.5 308.6 309.7 0.2 12 19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.9 18.8 -1.7 309.5 310.2 0.2 12 21.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12 22.5 65.3 6383.5 450.0 -24.6 -47.8 272.1 22.0 22.0 -0.8 312.2 312.6 0.1 9 23.9 69.5 6797.3 425.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 9 25.6 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 27.0 76.9 7683.4 375.0 -34.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8100.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9155.3 300.0 -47.2 95.9 263.6 24.2 24.1 2.7 318.9 999.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 263.6 24.2 24.1 2.7 318.9 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 38.7 103.9 11043.8 225.0 -59.4 99.9 255.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	16.1	49.9	4552.1		-11.8	-33,3	288.4	15.5						14.7		147.	
19.7 59.1 5607.9 500.0 -19.3 -41.3 275.3 18.9 18.8 -1.7 309.5 310.2 0.2 12 21.0 62.5 5987.7 475.0 -21.6 -43.1 275.2 21.4 21.3 -1.9 311.3 311.9 0.2 12 22.5 65.9 6383.5 450.0 -24.6 -47.8 272.1 22.0 22.0 -0.8 312.2 312.6 0.1 9 23.9 69.5 6797.3 425.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 9 25.5 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 27.0 76.9 7683.4 375.0 -34.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8160.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9159.3 300.0 -47.2 99.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 39.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 99.9 99.9 99.9	17.3	52.3	4891.5	550.0	-13.7	<b>-37.</b> \$	281.8	16.1	15.8	-3.3	307.8		0.3	11.7	5.6	139.	
21.0	18.4	55.8	5243.3	525.0	-16.3	-39.0	278.9	16.0	15.8	-2.5	308∙€			12.0		133.	
22.5 65.9 6383.5 450.0 -24.6 -47.8 272.1 22.0 22.0 -0.8 312.2 312.6 0.1 9 23.9 69.5 6797.3 425.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 9 25.5 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 27.0 76.9 7683.4 375.0 -34.9 +55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8160.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9159.3 300.0 -47.2 99.9 263.6 24.2 24.1 2.7 318.9 999.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 99.9 99.9 99.9 38.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	19.7	59 <b>.</b> i	5607.9	500.0	-19.3	-41.3		18.9	18.6					12.1		127.	
23.9 69.5 6797.3 425.0 -27.8 -50.2 265.2 20.6 20.5 1.7 313.3 313.6 0.1 9 25.5 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 27.0 76.9 7683.4 375.0 -34.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8160.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9159.3 300.0 -47.2 99.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 38.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.5 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	21.0	6.2. 5	5987.7	475.0	-21.6	-43.1	275.2	21.4	21.3	-1.9	311.3	311.9	0.2	12.2	9.1	122.	
25.5 73.0 7229.5 400.0 -31.6 -52.9 261.7 18.2 18.0 2.6 313.9 314.1 0.1 10 27.0 76.9 7683.4 375.0 -34.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8160.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 99.9 99.9 99.9 32.1 89.2 9159.3 300.0 -47.2 99.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 99.9 99.9 99.9 39.7 103.9 11043.8 225.0 -59.4 99.9 255.2 30.1 29.1 7.7 321.8 99.9 99.9 99.9 39.7 103.9 11043.8 225.0 -59.4 99.9 259.5 28.3 27.8 5.1 339.4 99.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 99.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 99.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 99.9 99.9 99.9 99.9	22.5	65.9	6383.5	450.0	-24.6	-47.8	272-1	22.0	22.0	-0.8	312.2	312.6	0.1	9.5	1C. 5	117.	
27.0 76.9 7683.4 375.0 -34.9 -55.0 271.3 15.7 15.7 -0.4 315.3 315.6 0.1 10 28.5 80.8 8160.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9155.3 300.0 -47.2 95.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 38.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	23.9	69.5	6797.3	425.0	-27.8	-50.2	265.2	20.6	20.5	1.7	313.3	313.6	0.1	9.6	12.4	113.	
28.5 80.8 8160.6 350.0 -39.3 -52.5 271.9 17.8 17.7 -0.6 315.7 316.0 0.1 23 30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9159.3 300.0 -47.2 99.9 263.6 24.2 24.1 2.7 318.9 999.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 39.7 103.9 11043.8 225.0 -59.4 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 39.7 103.9 11043.8 225.0 -59.4 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 99.9 12.1 7.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	25.5	73.0	7229.5	400.0	-31.6	-52.9	261.7	18.2	18.0	2.6	313.9	314.1	0.1	10.0	14.0	109.	
30.3 85.0 8664.1 325.0 -43.0 99.9 265.2 20.5 20.4 1.7 317.4 999.9 99.9 99.9 32.1 89.2 9155.3 300.0 -47.2 95.9 263.6 24.2 24.1 2.7 318.9 999.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 38.7 103.9 11043.8 225.0 -59.4 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	27.0	76.9	7683.4	375.0	-34.9	-55.0	271.3	15.7	15.7	-0.4	315.3	315.6	0.1	10.8	15.4	107.	
32.1 89.2 9155.3 300.0 -47.2 95.9 263.6 24.2 24.1 2.7 318.9 99.9 99.9 99.9 34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 39.7 103.9 11043.8 255.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 99.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 99.9 99.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 99.9 99.9 99.9 99.9	28.5	80.8	8160.6	350.0	-39.3	-52.5	271.9	17.8	17.7	-0.6	315.7	316.0	0.1	23.0	16.8	156.	
34.0 93.8 9769.5 275.0 -51.8 99.9 260.7 27.7 27.3 4.4 320.3 999.9 99.9 99.9 36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 38.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 99.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	30.3	85. O	8664.1	325.0	-43.0	99.9	265.2	20.5	20.4	1.7	317.4	999.9	99. 9	999.9	13.8	104.	
36.2 98.6 10380.8 250.0 -56.7 99.9 255.2 30.1 29.1 7.7 321.8 999.9 99.9 99.9 39.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 99.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	32.1	89. 2	9199.3	300.0	-47.2	99.9	263.6	24.2	24.1	2.7	318.9	999.9	99.9	999.9	21.1	172.	
38.7 103.9 11043.8 225.0 -59.4 99.9 254.6 34.0 32.8 9.0 327.5 999.9 99.9 99.9 41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	34.0	93.8	9769.5	275.0	-51.8	99.9	260.7	27.7	27.3	4.4	320.3	999.9	99.9	999.9	24.0	99.	
41.2 105.3 11783.6 200.0 -59.0 99.9 259.5 28.3 27.8 5.1 339.4 999.9 99.9 99.9 44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 268.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	36.2	98.6	10380.8	250.0	-56.7	99.9	255.2	30.1	29.1	7.7	321.8	999.9	99.9	999.9	27.5	97.	
44.2 115.2 12627.0 175.0 -56.5 99.9 263.1 26.4 26.3 3.2 356.6 999.9 99.9 99.9 47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	39.7	103.9	11043.R	225.0	-59.4	99.9	254.6	34.0	32.8	9.0	327.5	999.9	99.9	999.9	31.9	93.	
47.7 121.7 13604.5 150.0 -56.6 99.9 268.0 25.0 25.0 0.9 372.6 999.9 99.9 99.9 51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	41.2	105.3	11783.6	200.0	-59.0	99.9	259.5	28.3	27.8	5. 1	339.4	999.9	99.9	999.9	36.8	91.	."
51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9	44.2	115.2	12627.0	175.0	-56.5	99.9	263.1	26.4	26.3	3.2	356.6	999.9	99.9	999.9	42.1	90.	
51.9 128.8 14764.4 125.0 -56.3 99.9 262.3 22.5 22.3 3.0 393.0 999.9 99.9 99.9 57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9						99.9		25.0	25.0	0.9	372.6	999.9	99.9	999.9	47.7	89.	
57.2 136.3 16191.4 100.0 -54.6 99.9 261.0 24.8 24.5 3.9 422.3 999.9 99.9 99.9										3.0		999.9	99.9	999.9	53.7	89.	
, <del>diam samuni dendedi</del> , committi di													99.9	999.9	61.1	87.	
	63.8	143.8	18047.7	75.0	-56.0	99.9	254.0	5.8	5.6	1.6	455.7	999.9	99.9	999.9	67.0	87.	
														999.9	68.4	97.	
													99.9	999.9	69.1	88.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654 HURON. S D

## 24 APRIL 1975

2315 GHT

116 121. 0

TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POTT E POTT MX RTO RH RANGE AZ
MIN GFM MB DG C DG C DG M/SEC M/SEC DG K DG K GM/KG PCT KM DG

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	EPOTT	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	9.3	392.0	962.1	12.8	10.0	120.0	9.3	-0.1	4.6	290.2	311.2	8.1	83.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99, 9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.5	999.9	99.9	999.9	999.9	999.	
0.4	10.4	498.7	950.0	12.6	10.6	136.2	12.3	-8.5	8.9	291.1	313.2	8.5	87.6	0.4	30 9.	
1.1	12.5	722.3	925.0	10.9	9.5	147.9	11.5	-6.1	9.8	291.6	312.8	8.1	90.9	0.8	315.	
1.8	14.9	950.8	900.0	9.6	7.8	174.2	9.7	-1.0	9.7	292.4	312.0	7e 4	88.5	1.2	323.	
2.4	17.0	1194.7	875.0	8.7	6 • 5	196.0	8.6	2.4	8.3	293.7	312.3	7.0	86.1	1.4	334.	
3.4	19.4	1424.0	850.0	6.2	5.9	211.7	8.5	4.4	7.2	293.6	312.0	6. 9'	98.1	1.8	345.	
4.2	21.5	1668.7	825-0	4.7	4.7	240-1	9.8	8.5	4.9	294.4	311.9	6.5	99.9	2.0	355.	
5.7	24.0	1919.0	800.0	2.6	2.6	247.1	14.0	12.9	5.5	294.7	310.4	5.8	100.4	2. 6	18.	
6.7	26.3	2175.5	775.0	1.1	0 • 1	247.6	16.2	15.0	6.2	295.7	309.4	5.0	92.8	3. 3	31.	
7.7	28.9	2438.8	750.0	-0.7	-2.2	242.8	16.4	14.6	7.5	296.3	308 • 4	4.3	89.8	4.1	38.	
8.5	31.4	2709.2	725.0	-2.3	-4.2	238.6	16.3	14.0	8.5	297.4	308.3	3.9	86.9	4.9	42.	
9.3	34.1	2987.0	700.0	-4.6	-4.9	235.4	16.3	13.4	9, 2	297.9	308.5	3.8.	97.5	5. 7	44.	
. 10.2	36.6	3272.8	675.0	-6.5	-6.7	234-1	16.4	13.3	9.6	298.8	308.6	3.4	98.1	6. 5	45.	
11.2	35.3	3566.9	650.0	-8.9	-9.2	235.3	16.4	13.5	. 9.3	299.3	307.8	2.9	97.5	7.5	46.	
12.2	41.9	3869.6	625.0	-11.1	-11.8	236.B	17.0	14.2	<b>5.</b> 3	300.1	307.3	2.5	94.1	8. 4	48.	
13.4	44.8	4181.8	600.0	-13.5	-20.2	241.8	17.2	15.2	8.1	300.6	304.5	1.3	57.0	9.7	49.	
14.7	47.7	4504.6	575.0	-15.1	-45.8	250.0	17.5	16.5	6.0	302.2	302.6	0.1	5. 5	10.9		
15.8	50.6	4839.0	550.0	-17.6	-45.6	251.3	17.5	16.6	5.6	303.1	363.6	0.1	6.6	12.1	53.	
17.0	53.6	5185-1	525.0	-20.5	-47.4	246.3	16.8	15.4	6.8	303.7	304.1	0.1 '	6.9	13.3		
18.1	56.5	5544.1	500.0	-23.4	-47-1	244.9	15.3	13.8	. 6. 5	304.5	304.9	0 • 1	11.6	14.4		
19.3	59.7	5917.8	475.0	-25.7	-35.6	244.8	9.6	8.7	4.1	306.1	307.5	0.4	43.4	15.2		
20.5	63.1	4.9069	450.0	-27.5	-30.7	252.4	7.4	7.1	2.2	308.7	310.8	0.6	73.5	15. 6		
21.6	66.4	6718.4	425.0	-29.7	-33.4	270.6	10.1	10.1	-0, 1	311.0	312.8	0.5	69.8	16.3		
22.8	69.9	714766	400.0	-33, 4	-37.6	283.5	12.0	11.7	-2.8	311.6	312.8	0.4	65.1	16, 9		
24.3	73.5	7597.9	375.0	-36.7	-41.6	294.9	11.2	10.2	-4.7	313.0	313.9	0.3	59.9	17.6		
25.9	77.2	8072.0	350.0	-40.7	99.9	285.8	9.1	8•7	-2.5	313.8	999.9	99.9	999.9	18.2		
27.3	81.1	8573.0	325.0	-43.6	99.9	253.0	15.4	14.7	4.5	316.7	999.9	99.9	999.9	19.0		
29.0	<b>85.3</b>	9108.4	300.0	-46.3	99.9	257.8	15.2	17.8	3• 8	320.1	999.9	99.9	999.9	20.7		
31.2	85.4	9662.3	275.0	-49.0	99.9	254.9	17.9	17.2	4.7	324.3	999.9	99. 9	999.9	23. 4		
33.7	94.0	10307.6	250.0	-50.6	99.9	273.1	14.8	14.8	-0.8	330.9	999.9	99.9	999.9	25.5		
35 <sub>0</sub> 8	98.8	10991.4	225.0	-52.7	99.9	270.7	16.9	16.9	~0.2	337.7	999.9	99.9	999.9	27.2		
38 • 5	103-8	11748.9	200.0	-53.8	99.9	260.9	23.0	22.7	3.6	347.6	999.9	99.9	999.9	30.3		
41.2	105.8	12606.8	175.0	-54-1	99.9	267.9	17.9	17.9	0.6	360.6	999.9	99.9	999.9	33.4		
44.9	115.8	13596.5	150.0	-54.4	99.9	281.9	16.6	16.3	-3.4	376.4	999.9	99.9	. 999.9	37.7		
49.0	122.8	14756.8	125.0	-57•2	99.9	999.9	99.9	99.9	99.9	391.5	999.9	99.9	999.9	999. 9	-	
99.9	59.5	99•9	100.0	59.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	50 • <u>0</u>	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99• 9	99.9	999.9	99.9	999•9	999. 9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS SEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655 ST CLOUD. MINN

159 11. 0

T	IME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	6.4	316.0	978.3	10.4	4.1	90.0	2.6	-2.6	0.0	286.0	299.8	5.3	65.0	0.0	0.	
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
	0.1	6.8	344.2	975.0	10.4	4.2	117.7	2.9	-2.5	1.3	286.3	300.3	5.3	65.5	9.0		
	0.8	9. 1	559.8	950.0	8.3	3.5	128.8	3.0	-2.4	1.9	286.3	300.0	5.2	71.6	0.1	301.	
	1.5	11.1	779.4	925.0	6.0	3.6	115.6	3.1	-2.8	1.3	286.2	300.3	5.4	84.2	0.3	30 3.	
	2.2	13.4	1003.4	900.0	3.7	2.9	97.8	4.4	-4.4	0.6	286.0	299.8	5. 3	94.2	0.4	296.	
	3.1	15.5	1231.8	875.0	1.9	1.6	104.2	6.2	-6.0	1.5	286.4	299 • 4	4.9	97.7	0.7	289.	
	4.0	17.8	1465.4	850.0	1.1	0 • 6	123.6	5.9	-4.9	3.2	287.8	300.4	4.7	.96.6	1.0	290.	
	5.0	20.2	1705.7	825.0	0.8	-3.0	158.1	4.2	-1.6	3.9	289.9	300.0	3.7	75.7	1.3	296.	
	6.0	22.4	1953.3	800.0	1.6	-14.5	245.5	1.8	1.7	0.8	293.0	297.8	1.7	31.6	1.4		
	6.9	24.5	2209.3	775.0	1.5	-24.3	274.0	3.3	3.3	-0.2	295.5	297.6	0.7	12.6	1.2		
	7.7	27.1	2472.3	750.0	-0.3	-22.8	234.9	3.7	3.1	2.2	296.4	298.9	0.8	16.2	1 • i	312.	
	8.4	29.7	2742-5	725.0	-2.2	-19.9	209.0	5.3	2.6	4.6	297.1	300.5	.1.1	24.7	1.1		
	9.3	32. 3	3020.0	700.0	-4.0	-4.1	202.4	7.9	3.0	7.3	298.5	309.9	4.0	99.7	1.4		
	10.5	35.0	3307.0	675.0	-4.9	-5.0	210.6	10.5	5.3	9.0	300.7	311.6	3.9	99.4	. 1.8	34 9.	
	11.5	37.4	3603.7	650.0	-6.3	-6.6	224.5	12.7	8.9	9. 1	302.2	312.6	3.6	98.2	2.4	2.	
	12.5	40.2	3909.5	625.0	-8.5	-8.7	236.4	14.0	11+7	7.8	303.1	312.3	3.2	98•6	3.0	14.	
	13.5	42.9	4225.0	600.0	-10.9	-11.1	248.3	14.3	13.3	5.3	303.8	311.8	2.7	98.5	3.6	24.	
	14.5	45. 8	4551-1	575.0	-13-1	-13.9	255.9	12.9	12.5	3. 2	304.9	311.7	2, 3	93.9	4.2	33.	
	15.8	48.9	4888.5	550.0	-15.2	-19.8	255.6	11.6	11.2	2.9	306+2	310.6	1.4	67.8	4. 9	40.	
	16.8	51.6	5238.5	525 C	-17.9	-21.3	252.2	12.4	11.9	3. 8	307.0	311.1	1.3	74.4	5. 6	45.	
	18-1	54.9	5601.0	500.0	-20.9	-24.8	253.2	12.6	12.1	3.6	307.6	310.9	1.0	70.9	6.5	49.	
	19.5	58.0	5978.4	475.0	-23.5	-26-1	252.0	12.0	11.4	3.7	308.9	312.0	0.9	79.0	7.4	52.	
	20.9	61.3	6371.2	450.0	-27.0	-30.2	250.2	13.0	12.2	4.4	309.4	311.6	0.7	7.3 • 6	8.4	54.	
	22.3	64.9	6780.9	425.0	-30.0	-36.4	245.5	15.1	13.7	6.3	310.5	311.9	0.4	53.5	9. 5	55.	
	23.6	68.0	7209.7	400.0	-33.2	-39.8	245.1	17.0	15.4	7 - 1	311.9	312.9	0.3	50.9	10.7	57.	
	25.1	71.4	7659.8	375.0	-37.4	-60.2	246.1	16.5	15.0	6. 7	312.1	312.2	0.0	7.2	12.3	58.	
	26.8	75.3	8131.6	350.0	-41.7	99.9	245.1	17.0	15.4	7. 2	312.5	999.9	99•9	999.9	14. 3	59.	
	28.5	79.5	8629.0	325.0	-46.3	99.9	242.7	18.4	16.4	8.4	312.9	999.9	99.9	999.9	15. 7	60.	
	30.3	83.6	9155.5	300.0	-51.1	99.9	242.5	21.3	18.8	9.8	313.3	999.9	99e 9	999.9	17.8	60.	
	32.0	87.8	9716.8	275.0	-54.4	99.9	238.7	22.7	19.4	11.5	316.5	999.9	99.9	999.9	20. 2	60.	
	34.0	92.7	10321.9	250.0	-57.4	99.9	242.1	22.0	19.4	10.3	320.7	999.9	99.9	999.9	22.8	60.	
	36.2	97.8	10990.4	225.0	-56.3	99.9	249èB	19.1	17.9	6.6	332.3	599.9	99.9	999.9	25.4	61.	
	38.8	103.0	11736.7	200.0	-56.2	99.9	250.9	24.5	23.1	8.0	343.9	999.9	99.9	999.9	28.7	62.	
	41.5	109.0	12581.5	175.0	-56.2	99.9	263.9	26.1	26.0	2.8	357.2	999.9	99.9	999.9	33.0	63.	
	44.8	115.3	. 13567.3	150.0	-55•7	99.9	256.6	19.3	16.8	4.5	374.2	999.9	99.9	999.9	36. 8	66.	
	48.8	122.7	14728-6	125.0	-57.0	99.9	260.6	17.4	17.1	2.8	391.7	999.9	99.9	999.9	41.1	67.	
	53.5	130.7	16151.0	100.0	-55.3	99.9	245.6	25.7	14.3	6.5	421.0	999.9	99.9	999.9	45.7	69.	
	59. 8	139.3	18001.0	75.0	-51.1	59.9	243.7	8.9	8.0	3.9	465.8	999•9	99.9	999.9	51.1	69.	
	68.3	148.7	20596.2	50.0	-53.1	99.9	248.7	1.8	1.6	0.6	518.3	999.9	99.9	999.9	52.8	69.	
	81. F	158.5	25067.7	25.0	-51.6	99.9	352.2	4.3	0.6	-4.3	636.5	999.9	99. 9	999.9	52.9	72.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662 RAPID CITY. S.D.

147 24. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	H/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	15.1	966.0	901.1	15.6	2.4	10.0	9.3	-1.6	-9.2	298.2	312.2	5.1	41.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
0.0	15.2	976.4	900.0	15.4	2.4	999.9	99.9	99.9	99.9	298.1	312.1	5.1	41.4	999.9	979.
1.0	17.4	1213.8	875.0	12.2	2.0	999.9	99.9	99.9	99 <b>.</b> 9	297.1	311.1	5.1	49.5	999•9	999.
2.0	19.8	1455.6	850.0	9.6	1.0	0.0	12.0	-0.0	-12.0	296.8	310.2	4.9	55.2	1.4	187.
2.9	22.1	1702.7	825.0	7.5	1.1	346.1	9∙ 8 -	2.4	-9.5	297.1	311.0	5.0	64.0	2.0	183.
4.0	24.6	1955.3	800.0	5.5	-2.7	326.2	8.0	4.4	-6.6	297.5	308.6	3.9	55.5	2.5	178.
5.0	27.0	2214.3	775+0	3.9	-4.9	284.1	8.8	8.5	-2.1	298.5	308.2	3.4	52.5	2.8	170.
6.0	29.6	2480.5	750.0	2.7	-8.1	263.9	11.7	11.7	1.3	299.9	307.9	2.8	44.9		158.
7.2	32.2	2753.9	725.0	0.7	-10.5	251.8	13.7	13.0	4.3	300.5	307.4	2.4	42.8	3. 3	143.
8.4	34.9	3034.7	700.0	-1.1	-16.2	257.5	15.2	14.8	3.3	301.4	306 • 1	1.5	30.7	3. 9	126.
9.5	37.4	3324.8	675.0	-0.6	-28 - 1	271.1	14-4	14.4	-0.3	305.0	306.8	0.6	10.3		119.
10.4	40.2	3625.0	650.0	-2.8	-29.6	279.2	12.3	12.1	-2.0	305.9	307.5	0.5	10.5		115.
11.4	42.9	3934.1	625.0	-5.3	-31.3	289.9	10-1	9.5	-3.4	306.4	307.9	0.4	10.8	5.9	114.
12.5	45.8	4253.5	600.0	-6.8	-31.6	300.8	10.9	9.4	-5.6	308.3	309.8	0.4	11.7	6.6	115.
13.7	48. 9	4584.0	575.0	-9.5	-31.0	297.6	12.6	11.2	-5.8	308.9	310.5	0.5	15.3	7. 4	115.
15.0	51.6	4925.8	550.0	-12.4	-33.4	292.6	11.9	11.0	-4.6	309.4	310.8	0.4	15.3	8.4	115.
16.5	54.9	5278.9	525.0	-15.7	-35.6	292.5	13.4	12.4	-5•1	309.5	310.7	0.3	16.1		115.
17.9	57.8	5645.0	500.0	-18.5	-37·8	291.5	15.0	14.0	-5.5	310.5	311.5	0.3	16.4	10.7	114.
19.4	61.1	6025.6	475.0	-21.2	-39.9	299.1	16.2	14.1	-7.9	311.7	312.5	0.2	16.6	12.1	114.
20.7	64.6	6422.5	450.0	-24.2	-42.2	304.5	16.3	13.5	-9.3	312.8	313.5	0.2	16.9	13.3	115.
22-1	67.9	6836.3	425.0	-28.0	-45.2	301.2	17.7	15.1	-9.2	313.1	313.7	0.2	17.2	14.8	116.
23.6	71.3	7269.1	400.0	-31.0	-4706	293.8	19.6	17.0	-7.5	314.7	315.1	0.1	17.5	16.4	116.
25.3	75.2	7722.7	375.0	-35.3	-51.1	294.4	20.6	18.7	−8. 5	314.8	315.2	0.1	17.9	18.4	116.
26.9	79.2	8199.2	350.0	-39.7	99.9	296-1	18.8	16.8	-8. 3	315.2	999.9	99.9	999.9	20.3	116.
28.5	83.2	8701.0	325.0	-44.1	99.9	298.1	19.7	17.4	-9.3	316.0	999.9	99.9	999.9	22.1	116.
30.0	87.2	9232.7	300.0	-48.9	99.9	296.8	22.9	20.5	-10.3	316.4	999.9	99.9	999.9	24.0	116.
31.8	91.8	9798-1	275.0	-53.7	99.9	296.6	24.4	21.8	-10.9	317.5	999.9	99.9	999.9	26.7	116.
34.1	96.4	10405.4	250.0	-56.7	99.9	297.1	25.5	22.7	-11.6	321.7	999.9	99.9	999.9	30.1	116.
j6.5	101-4	11079.0	225.0	-57.4	59.9	301.8	24.0	20.4	-12.7	330.5	999.9	99.9	999.9	. 33.9	117.
39. 2	107.0	11812.1	200.0	-59.2	99.9	281.9	21.5	21.1	-4.4	339.1	999.9	99.9	999.9	37.0	117.
42.1	112.9	12652.9	175.0	-56.8	99.9	286.3	23.0	22.1	-6.5	356.2	999.9	99.9	999.9	41.2	115.
45.5	119.0	13635.5	150.0	-55.3	99.9	271.0	21.1	21.1	-0.4	374.7	999.9	99.9	999.9	45.0	114.
49.0		14791.7	125.0	-58.8	99.9	256.8	19.9	19.3	4.6	368.5	999.9	99.9	999.9	48.4	111.
53.5	134.0	16203.5	100.0	-55.8	99.9	269.0	20.1	20.1	0.3	419.9	999.9	99.9	999.9	53, 6	108.
59.1	142.0	18044.6	75.0	-52.2	59.9	260.8	20.4	20.2	3. 3	463.5	999.9	99.9	999.9	57.7	106.
66.7	151.0	20664.8	50.0	-54.2	99.9	1.1	3.4	-0.1	-2.4	515.7	999.9	99. 9	99 9. 9	60.3	105.
78.4	160.5	25173.7	25.0	-49.1	99.9	999.9	99.9	99.9	99.9	643.7	999.9	99.9	999.9	999. 9	999.
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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NU. 11001 MARSHALL SPACE FLIGHT CENTER

24 APRIL 1975 2315 GMT

166 16. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SFC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DĢ
0.0	6.2	180.0	994.1	25.7	17.4	200.0	4.2	1.4	3. 9	301.1	334.9	12.7	60.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	993.9	999.
0 • 6	7.9	351.0	975.0	25.0	17.3	209.2	11.0	5.4	9.6	302.1	336.5	12.8	62.1	0.2	23.
1.3	10.0	578.8	950.0	23.0	16.3	207.0	12.1	5. 5	10.8	30.2.3	335.6	12.4	65.9	0.7	27.
2.2	12.0	810.3	925.0	19.6	14.5	211.8	12.8	6.7	10.9	300.9	331.3	11.4	72.6	1.4	27.
3.0	14.3	1046.2	900.0	17.8	14-1	225.9	11.9	8.5	8 <sub>0</sub> 3	301.4	331 • 8	11.3	. 78.5	2.0	31e
3.9	16.3	1287.3	875.0	16.3	13.7	238.9	11.6	9.9	ۥ0	302.2	333.0	11.4	84.9	2.6	36.
4.8	18.5	1533.8	850.0	14.5	12.7	247.1	12.8	11.8	5.0	302.8	332.4	10.9	88.9	3. 2	41.
5.7	20.8	1786.2	825.0	12.8	11.3	252.7	13.5	12.9	4.0	303.5	331 • 6	10.3	90.6	3.8	47.
6.6	23.0	2044.3	800.0	10.5	10.1	258.1	12.8	12.5	2.6	303.7	330.4	9.8	97.1	4.4	51.
7.6	25.4	2308.7	775+0	8.4	8 • 1	264.2	13.3	13.2	1.3	304.0	328.4	8. 8	97.9	5.1	55.
8.6	27.7	2579.7	750.0	7.0	5.9	265.4	14.5	14.8	1.2	305.2	326.9	, <b>7.</b> 8	92.7	5.8	60.
9.6	30.2	2858.7	725.0	6.2	2 • 6	266.5	16.7	16.7	1.0	337.1	325.5	6.5	79.2	6.8	63.
10.8	32.5	3145.8	700.0	4.7	-2.9	273.6	17.2	17.2	-1.1	308.2	321.2	4.5	58.3	7.9	67.
12.0	35.4	3441.8	675.0	3.0	-5.7	282•9	18.1	17.6	-4.0	309.5	320.5	3.7 3.4	52.9	9.9 10.1	72. 76.
13.3	37.9	3746.2	650.0	0.5	-7.4	285.5	19.3	18.6	-5, 1	310.0	320-1		55•1 28•1	11.2	79.
14.3	40.5	4060.2	625.0	-1.1	-18.6	291.2	20.0	10.6	<b>-7.</b> 2	311.3	316.3	1.6			
15.4	43.3	4384.1	600.0	-3.8	-30.7	294.2	21.0	19.1	-8.6	311.8	313.4	0.5 0.3	10.2	12.4	83.
16.5	46.3	4718.8	575.0	-5.6	-35.2	295.6	21.9	19.8	-9.5	313.5	314.6	0.3	7•4 7•8	13.6 15.2	86.
17.8	49.3	5065+2	550.0 525.0	-8.7	-37.2	297.2	24.8	22.1	-11.3	313.8 315.2	314.8 316.1	0.3	8.1	17.2	89. 93.
19.3	52 · 1 55 · 2	5424.0 5797.2	500.0	-11.0 -13.0	-38.6 -39.9	296•1 286•3	27•1 25•1	24•3 24•1	-11.9 -7.0	317.1	317.9	0.2	8.3	19.3	95.
20.6			475.0					22.5	-2.7	319.5	319.6	0.0	1.0	21.4	96.
22. 1 23. 5	58.4 61.8	5187•1 6593•5	450.0	-14.9 -18.2	-59.3 -61.5	276.9 274.9	22.7 24.2	24.1	-2.1	320.3	320.4	0.0	1.0	23.3	96.
25.0	65.3	7017.3	425.0	-21.9	-59.7	278.3	23.3	23.1	-3.4	320.8	321.0	0.0	2.1	25.5	
26.7	68.8	7460-2	400.0	-25.7	-53.6	276.2	23.2	23.0	-2.5	321.6	321.8	0.1	5.3	27. B	96.
29.4	72.3	7924.7	375.0	-29.2	-55.7	274.5	19.8	19.7	-1.5	322.8	323.1	0.1	5.7	30.1	96.
30.1	76.3	8413.7	350.0	-33.0	-57.9	279.1	20.6	20.4	-3.3	324.2	324 • 4	0.0	6.1	32.1	96.
31.9	80.5	8930.2	325.0	-37.4	-60.7	280.8	20.4	20.0	-3.8	325.0	325.2	0.0	6.7	34.4	96.
34.1	84.8	9478.3	300.0	-41.1	99.9	271.4	20.0	20.0	-0.5	327.4	999.9	99.9	999.9	37.1	96.
36.5	69.3	10064-1	275.0	-45.7	99.9	263.0	20.9	20.7	2.6	329.0	999.9	99.9	999.9	39.9	96.
38.8	94.2	10692.4	250.0	-50.5	99.9	263.5	19.3	19.2	2.2	331.0	999.9	99.9	999.9	42.5	95
41.0	99.4	11371.6	225.0	-55.9	99.9	273.5	18.5	18.5	-1.1	332.8	999.9	99.9	999.9	44.8	95•
43.4	105.0	12110.1	200.0	-61.8	99.9	275.7	25-1	24.9	-2.5	334.8	999.9	99.9	999.9	48.1	95.
46.2	111.3	12927.3	175.0	-66.2	99.9	276.4	29.2	29.0	-3.3	340.7	999.9	99.9	999.9	52.5	95.
49.2	118.3	13869.7	150.0	-61.2	59.9	271.3	35.5	35.5	-0.6	364.€	999.9	99.9	999.9	58.2	
53.0	126.3	15004.1	125.0	-61.5	99.9	267.0	31.2	31.1	1.6	383.6	999.9	99.9	999.9	65.3	
57.4	135.3	16378.8	100.0	-65.3	99.9	268.7	18.9	18.9	0.4	401.6	999.9	99.9	999.9	72.2	
62.6	144.3	18105.0	75.0	-66.6	99.9	281.8	11.2	11.0	-2.3	433.3	999.9	99.9	999.9	76.7	94.
70.1	155.0	20596.8	50.0	-60.8	99.9	301.9	6.1	5.1	-3.2	500.2	999.9	99.9	999.9	78.4	94.
81.9	167.0	24992.2	25.0	-52.2	99.9	332.0	8.3	3.9	-7.3	634.5	999.9	99.9	999.9	78. 9	96.
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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 22002 FT. SILL, CKLA

25 APRIL 1975

58 GMT 108 183. 0 TIME PRES POT T CNTCT HEIGHT TEMP DEW PT DIR SPEED U COMP V CCMP E POT T MX RTO RH RANGE AZ MIN GF# MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 9.4 362.0 963.4 26.8 18.9 180.0 5.1 0.0 5. 1 305.1 344.2 14.5 62.0 0.0 0. 1000.0 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 939. 0.4 10.4 486.3 950.0 26.7 18.9 189.3 11.2 1.8 11.0 306.3 346.1 14.6 62.2 0.2 350. 1.1 12.9 721.8 925.0 24.8 17.3 192.9 10.1 2.3 9.9 306.6 343.7 13.6 63.1 0.6 6. 15.3 962.3 900.0 23.2 205.0 307.2 343.2 0.9 10. 1.7 16.3 7.6 3.2 6.9 13.1 65.2 2.5 17. 9 1207-8 875.0 21.4 14.3 229.8 307.6 340.3 1.2 5.3 4.1 3.4 11.9 64.2 16. 3.2 20.3 1458.7 850.0 19.3 26E.5 0.3 307.9 337.8 23. 12.5 4.2 4.2 10.8 64.5 1.3 1715.0 17.4 270.6 308.3 4.1 22.9 825.0 10.7 4.7 4.7 -0.0 335.9 9.9 64.7 1.4 12. 25.4 1977.4 800.0 272.3 308.2 333.2 4.9 14.8 4.3 -0.2 8.9 67.0 1.5 39. 8.5 4.3 775.0 265.3 330.0 5.8 28.3 2245.4 12.7 6.0 0.4 308.5 7.6 63.8 1.7 45-4.5 4.5 36.9 2520.0 750.0 262.5 308.7 49. 6.5 10.4 328.1 1.9 4.0 6.0 5.9 0.8 6.8 64.4 33.7 7.5 2801.6 725.0 263.7 0.5 309.2 325.3 58.9 2.2 55. 8.2 0.7 8.5 8.5 5. 6 3090.3 700.0 309.3 319.8 36.3 5.7 -5.9 258.8 3.5 43.0 2.8 61. 8.5 11.3 11.1 2. 2 9.5 39. 2 3386.7 675.0 259.3 14.0 13.7 310.0 317.2 2.4 32.6 3.5 64. 3.6 -11.3 2.6 310.5 999.9 999. 10.6 42.0 3691.5 650.0 1.1 -12.6 995.9 99.9 99.9 99.9 317.3 2.2 35.0 311.3 11.6 45.1 4005.7 625.0 -1.1 -21.4 999.9 99.9 99.9 99.9 314.9 1.1 19.6 999.9 999. 12.5 48.1 4330.1 600.0 -3.3 -27.1 999.9 99.9 99.9 99.9 312.4 314.7 0.7 13.9 999.9 999. 13.5 4666.2 575.0 999.9 99.9 315.2 315.8 999.9 999. 51.1 -4.1 -42.5 99.9 99.9 0.2 3.1 316.8 5015.0 550.0 -6.8 -39.7 999.9 99.9 99.9 99.9 316.0 0.2 5.2 999. 9 999. 14:4 : 54.4 999. 9 999. 525.0 999.9 317.0 319.2 18.2 . 15.4 57.6 5376.1 -9.5 -29.4 99.9 99.9 99.9 0.6 5750.5 999.9 99.9 99.9 317.2 322.1 54.3 999.9 979. 16.3 500.0 -13.1 -20.3 99.9 1.5 61.0 6139.2 999.9 317.6 999.9 999. 17.5 475.0 -22.8 99.9 99.9 99.9 321.8 1.3 58.1 64.6 -16.5 999.9 99.9 67.9 6543.8 450.0 -19.2 99.9 99.9 319.2 322.5 1.0 52.4 999.9 999. 15.8 -26.4 71.4 320.2 322.5 45.8 999.9 979. 20.1 6966.4 425.0 -22.5 -31.0 999.9 99.9 99.9 99.9 0.7 21.4 321.8 75.3 7408.8 400.0 -50.1 254.7 33.4 321.5 0.1 19. 5 HO. -25.7 34.6 9.2 8.1 22.4 22.6 79.3 7872.8 375.0 -29.9 -44.7 253.7 39.0 37.4 11.0 321.9 322.6 0.2 21.9 80. 327.0 23.7 23.2 8363.4 350.0 -58.5 250.4 39.8 326.8 0.0 25.2 73. -31.1 42.2 14.2 4.7 24.8 325.0 328.5 27.9 78. 87.2 8884.5 -35.0 -60.8 252.4 44.1 42.0 13.3 328.4 0.0 5.1 330.5 26.0 51.8 9438.2 300.0 -38.9 -63.3 256.3 45.3 44.1 10.7 330.4 0.0 5.6 31.4 78. 999.9 10030.2 999.9 99.9 34.7 78. 27.3 96.4 275.0 -43.0 99.9 264.7 44.0 43.8 4.1 332.9 99.9 999.9 36.5 23.8 101.2 10665.5 250.0 -48.3 99.9 263.0 42.9 42.6 5.2 334.3 999.9 79. 999.9 42.6 335.4 ç99**.**9 99.9 79. 30.3 106-5 11351.1 225.0 -54.3 99.9 256.3 43.1 41.8 10.2 999.9 999. 9. 999. 32.2 112.0 12098.2 200.0 -58.8 99.9 995.9 99.9 99.9 99.9 339.6 999.9 99.9 999.9 999. 999.9 99.9 999.9 99.9 99.9 99.9 175.0 99.9 99.9 99.9 99.9 99.9 59.9 99.9 999.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 150.0 9909 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999.9 999. 99.9 99. 9 99.9 125.0 9909 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 100.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 999.9 99.9 99.9 99.9 75.0 9909 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9.999. 50.0 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 79.9 99.9 99.9 99.9

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

25 April 1975

0600 GMT

38/

STATION NO. 208 CHARLESTON. SC

### 25 APRIL 1975 600 GMT

							800 0							90	
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	H/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.5	13.0	1017.6	20.0	17.2	190.0	4.1	0.7	4.0	293.3	325.0	12.3	84.0	0.0	0.
0.5	5.8	163.9	1000.0	19.5	16.3	211.7	12.5	6.6	10.7	294.2	324.8	11.7	81.5	0.3	19.
1.4	e. 0	381.9	975.0	19.0	13.0	214.2	16.8	9.4	13.8	295.6	321.3	9.7	68.0	1.1	29.
2.3	10.2	605.2	950.0	18.4	12.2	220.5	14.6	9.5	11.1	297.2	322.4	9.5	67.0	1.9	32.
3.3	12.3	834.4	925.0	18.1	12.3	241.9	11.6	10.2	5.5	299.1	325.4	9.8	69.0	2.7	37.
4.1	14.5	1068.8	900.0	16.3	11.2	250.9	12.5	11.9	4-1	299.5	324.8	9.4	72.2	3 e 2	43.
5-1	16.5	1306.2	875.0	14.4	10.5	256.4	12.3	12.0	2.9	300.0	324.8	9.2	77.0	3. 8	48.
6.1	18.9	1552.8	850.0	12.5	9.7	268.0	11.6	11.6	0.4	300.5	324.8	9.0	82.9	4.5	54.
7.1	21.0	1803.5	825.0	11.7	8.2	270.9	13.3	13.3	-0.2	302.1	324.9	8.3	79.1	5.0	58.
8.1	23.5	2060.7	800.0	10.0	6 • 9	261.9	13.7	13.4	-2.8	302.€	324.4	7.8	81.1	5.7	63.
9.1	25 • 8	2324.8	775.0	~~@ <b>4</b> .5	3.8	286.0	13.4	12.9	-2.7	304.9	323.2	6.5	67.5	6.3	68.
10.2	28.2	2596.6	750.0	8.7	-4.0	284.0	12.6	12.2	-3.0	306.5	318.0	4.0	42.4	7 <sub>0</sub> 0 .	7.3.
11.2	3C.8	2876.9	725.0	8.5	-20.2	283.7	13.1	12.7	-3.1	308.9	312.3	1 • 1	11.1	7.7	75.
12.4	23.4	3165.7	700.0	ۥ5	-21.8	282.9	14.5	14-1	-3.2	309.8	312.9	0.9	10.9	8. 5	79.
13.5	35. 9	3462.5	675.0	4.0	-20.4	260.5	15.6	i,15.3	-2.8	310.3	313.9	1.1	14.8	9.5	81.
14.7	.38. 6	3764.0	650.0	1.5	-20.8	279.5	15.3	- 15-1	-2.5	310.8	314.4	1.1	17.0	10.6	83.
16.0	41.2	4082.4	625.0	-0.8	-1704	277.0	15.0	14.9	-1.8	311.7	316.6	1.6	27.0	11.7	84.
17.3	44.1	4407.2	600.0	-2.8	-23.3	275.5	13.6	13.6	-1.3	313.0	316.2	1.0	18.8	12.8	80.
18.6	47.0	4742.7	575.0	-5.4	-26.0	269.3	12.0	12.0	0.1	313.7	316.3	0.8	17.9	13.8	86.
20.2	50.1	5089.8	55C • 0	-7.8	-34.5	271.3	10.7	10.7	-0.2	314.9	316.2	0.4	9.5	14.9	86.
. 21.4	£3.0	5450.2	525.0	-9-1	-44.5	272.2	9.4	9.4	-0.4	317.4	317.9	0.1	3.7	15.6	86.
23.0	56.0	5825.7	500.0	-11.7	-27.5	298.4	8.2	7.2	-3.9	318.8	321.5	0.8	25.4	16.4	87.
24.6	59.3	6216.9	475.0	-14.4	-32.3	298.3	11.3	10.0	-5.4	320.2	322.0	0.5	20.1	17.6	89.
26.6	62.7	6623.8	45C.Q	-17.9	-36.6	299.5	11.7	10.2	~5.8	320.7	322.0	0.4	17.6	18.4	91.
28.4	66.1	7048.1	425.0	-21.6	-38.3	301.4	13.8	11-8	-7.2	321.2	322.4	0.3	20.4	19.6	93.
30.4	69.7	7491.3	400.0	-25.4	-33.4	268.8	15.6	14.8	-5.0	322.0	324.0	0.6	47.0	21 0 1	95.
32.3	73.3	7956.0	375.0	-29.5	-33.7	295.0	15.4	13.9	-6.5	322.6	324.6	0.6	66 <b>.</b> 3	23.0	94.
34.3	77.2	8444+7	350.0	-33.2	-36.9	302.8	12.6	10.6	-6.8	324.0	325.6	0.5	68.3	24.4	96.
36.5	e1.2	8961.1	325.0	-37.8	-41.6	300.7	14.2	12.2	-7·3	324.6	325.6	0.3	67.1	26.1	99.
38. 9	ē5. 4	9507.9	300.0	-42.1	99.9	299.1	15.9	13.9	-7.7	326.0	999.9	99.9	999•9	28.1	101.
41.7	90 e 0	10091.1	275.0	-46.4	99.9	262.5	17.6	17.0	-4.6	328.0	999.9	99.9	999.9	30.8	102.
44.7	94.8	10717.9	250.0	-51.0	99° 9	266.4	15.7	15.0	-4.4	330.2	999.9	99.9	999.9	33.9	102.
47.6	\$9.5	11395.0	225.0	-56.0	99.9	287.0	18.8	18.0	-5.5	332.7	999.9	99.9	999.9	36.4	103.
50.8	105.0	12134.5	200.0	-61.0	99.9	306.0	20.6	16.6	-12.1	336.2	999.9	99.9	999.9	40.9	104.
54.7	111.0	12960.9	175.0	-62.3	99.9	301.3	24.8	21.2	-12.9	347.1	999.9	99.9	999.9	46.2	106.
59.1	117.3	13913-1	150.0	-61.5	99.9	295.1	26.0	23.5	-11-0	364.2	999.9	99.9	999.9	52.5	108.
64.2	124.7	15045.5	125.0	-63.1	99.9	280.3	23.0	22.6	-4.1	380.7	999.9	99.9	999.9	60.3	107.
70.4	132.7	16403.8	100.0	-68.4	99.9	270.7	15.7	15.7	-0.2	395.7	999.9	99. 9	999.9	68.0	
78.0	141.3	18122.9	75.0	-68.4	99.9	297.0	9.2	8.2	-4.2	429.5	999.9	99•9	99 9. 9	73.4	106.
88.3	150.5	20591.5	50.0	-62.6	99.9	59.0	4.4	-3.7	-2.2	496.1	999.9	99.9	999.9	76.7	106.
104.4	160.5	24962.4	25.0	-54.3	99.9	64.2	3.0	-2.7	-1.3	628.6	599.9	99.9	999.9	76 • 6	107.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 211

25 APRIL 1975 530 GMT

166 15. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DE . PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTG	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.7	e. 0	1019.4	19.8	17.4	60.0	1.5	-1.3	-0.7	293.0	324.9	12.4	86.0	0.0	0.	
0.6	6.2	174.3	1000.0	20.7	16.0	138.3	8.7	-5.8	6.5	295.4	325.7	11.6	74.5	0.1	263.	
1.4	ۥ5	394.0	975.0	20.8	14.2	147.6	8.5	-4.6	7.2	297.5	325.4	10.5	66.1	0.5	311.	
2.3	10.7	618.4	950.0	19.4	13.1	161.4	6.5	-2.1	6.2	298.2	325.0	10.0	66.9	0.9	322.	
3.2.	13.0	847.4	925.0	17.4	13.4	167.8	6.6	-1.4	6.5	298.5	326.6	10.5	77.2	1.2	328.	
4.2	15.3	1081.7	900.0	15.9	12.7	183.1	5.4	0.3	5.4	299.3	327.0	10.4	81.3	1.6	334.	
€. 3	17.6	1321.2	875.0	15.0	9.9	184.9	3.6	0.3	3.6	360.6	324.5	8.8	71.5		338.	
6.2	20.1	1566.3	850.0	13.0	9.7	198.4	3.7	1.2	3.5	300.9	325.3	9.0	80.6	2.0	342.	
7.2	22.3	1817.2	825.0	11.4	7.7	205.6	3.6	1.5	3.2	301.7	323.7	9⊕ 0	78.1		346.	
8.3	24.9	2074.6	800.0	12.1	1.0	66.8	0.9.	-0.6	-0.4	304.8	319.5	. 2	46.5		347.	
9.3	27.2	2340.3	775.0	11.6	-10.0	70.1	5.5	-5.2	-1.9	306.6	313.6	. 3	21.1		342.	
10.3	29.9	2613.9	750.0	10.9	-4.8	67.0	. 5.0	-7.4	-3.1	308.9	319.5	- 6	32.9		331.	
11.4	32.6	2896.4	725.0	9.9	-4.4	53.9	8.0	-6.4	~4.7	310.8	322.1	3 1	36.5		316.	
12.5	35.2	3186.6	700.0	7.7	-4.3	43.6	7.8	-5.4	-5.7	311.5	323.4	40	42.4		305.	
13.7	37.8	3485.4	675.0	5.6	-5.9	40.2	8 • 8	-5.7	-6.7	312.3	323.3	3. 7	43.3		290.	
15.0	40.5	3793.2	650.0	3.7	-B.8	48.3	7.2	-5.4	-4.6	313.5	322.7	3.0	39.4			
16.2	43.3	4110.4	625.0	1.4	-10.0	36.7	5 • 6	-3.5	-4.7	314.4	323.2	2.9	42.5		273.	
17.4	46.3	4437.9	600.0	-0.6	-11.7	13.5	7.3	-1.7	-7.1	315.7	323.8	2•6	42.7		265.	
16.6	49.3	4777.6	575.0	-1.9	-13.7	348.7	7.4	1.5	-7.3	318.0	325.3	2.3	40.2			
20.1	52-1	5130.0	550.0	-3.9	-17.4	332.4	7.7	3.5	-6.8	319.7	325.4	1.8	34.1			
21,5	55.3	5495.2	525.0	-7.2	-18.1	326.1	7.3	.4.1	-6.1	319.9	325.6	1.7	4102		234.	
22.6	58.4	5873-2	500.0	-10.4	-21.2	329.2	6.8	3.5	-5. 9	320.5	325.1	1.4	40.6		225.	
24.4	51.6	6265.5	475.0	-13.7	-23.9	331.2	7.6	3.7	-6.7	321.1	324.9	1.2	41.9		215.	
25.8	65.1	6673.6	450.0	-17-3	-24.0	328.7	7.2	3.8	-6.2	321.5	325.6	1.2	55 <b>•7</b>		207.	
27.5	68.6	7099.3	425.0	-20.7	-25.6	312.1	10.2	7•6	-6.8	322.5	326.2	1.1	64±5		197.	
29.2	72.0	7544.5	400.0	-24.5	-28.1	302.8	12.7	10.6	-6.9	323.2	326.3	0.9	71.6		184.	
31 - 1	75.8	8012.0	375.0	-27.4	-37.3	302.6	15.7	13.3	~e. 5	325.3	326.8	0.4	38.3	_	170.	
33.1	79.7	8505.0	350.0	-31.2	-43.3	297.7	19.4	17.2	-9.0	326.6	327.5	0.2	29.1		158.	
35.0	e3.5	9025.9	325.0	-34.6	99.9	303.8	18.6	15.4	-1 C. 4	329.1	999.9	99.9	999•9		149.	
37.3	67.7	9579.9	300.0	-38.9	99.9	309.8	19.3	14.8	-12.4	330.6	999.9	99.9	999.9	11.7		
39.6	92.2	10171.1	275.0	-43.6	99.9	312.1	23.0	17.1	-15.4	332.0	999.9	99.9	999•9	14.3		
42.1	96.8	10804.4	250.0	-48.8	99.9	314.8	30.5	21.7	-21.5	333.0	999.9	99.9	999.9	18.4		
44.9	101.8	11489.3	225.0	-54.0	99.9	311.3	33.8	25.4	-22. 3	335, €	999.9	99.9	999.9	23.8		
47.9	107.3	12233.3	20C.0	-60.6	99.9	309.6	36.0	27.7	-22.9	336.9	99989	99.9	999.9		137.	
51.3	113.0	13054.3	175.0	-65.3	99.9	300.3	28.6	24.7	-14.5	342.2	999.9	99.9	999.9	36.6		
55.0	119.5	14004.5	150.0	-61.6	99.9	301.6	21.8	18+6	-11.4	364.0	999.9	99. 9	999. 9	42.9		
59.5	150.7	15123.8	125.0	-65.8	99.9	276.9	20.3	20.2	-2.4	375.8	999.9	99.9	999.9	47.2		
64 • 8	135.0	16455.7	100.0	-72.2	99.9	271.9	12.1	12.1	-0.4	388.3	999.9	99.9	999.9		127.	
71.2	143.3	18142.7	75.0	-72.7	99.9	312.7	5.0	4.4	-4.1	420.6	999.9	99. 9	999. 9		126.	
80.3	153.3	20580.4	50.0	-63.7	99.9	26.0	5.4	-2.3	-4.8	493.5	999.9	99.9	999.9		127.	
95.5	164.5	24961.3	25.0	-53.6	99.9	83.5	4.8	-4.7	-0.5	630.9	999.9	99.9	999.9	56. 2	130.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY YEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS, GA

25 APRIL 1975 600 GMT

					SO WAKIF 1812													
							600 G	MT			1	166 13. 0						
TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ			
MIN		GF4	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG			
0.0	3.6	44.0	1013.0	17.5	16.5	100.0	2.1	0.0	2.1	291.1	321.4	11.8	94.0	0.0	٥.			
0.4	4.8	155.8	1,000.0	20.8	16.5	187.7	3.5	0.5	3.5	295.5	326.8	12.0	76.8	0.2	5.			
1.3	6.7	375.2	975.0	20.6	11.2	225.0	5.2	3. 7	3. 7	297.0	320.1	8.6	55.0	0.3	17.			
2.0	8.8	599.8	950.0	20.6	11.4	228.6	6.0	6.0	5.3	299.4	323.5	9. 0	55.4	0.6	33.			
2.8	10.8	830.1	925.0	19.1	12.1	220.8	7.6	5.0	5.7	300.1	326.1	9.6	63.7	1.0	38.			
3.6	12.5	1065.1	900.0	17.2	11-1	215.4	7.8	4.5	6.4	300.5	325.6	9.3	67.3	1.4	37.			
4.6	15.1	1305.0	875.0	14.9	9.7	222.9	9.1	6•2	6.7	300.4	324.0	8•7	71.3	1.9	36.			
5.4	17.3	1550.2	850.0	13.7	2.1	235.7	9•7	8.0	5.5	301.2	316.2	5.4	46.3	2.3	40.			
6.3	19.6	1801.0	825.0	12.8	-17.0	252.9	8.2	708	2.4	302.3	306.1	1.2	11.0	2.6	44.			
7.2	21.7	2056.8	800.0	12.4	-6.1	268.0	6.9	6.9	0.2	305.0	316.8	4.1	36.5	3.1	46.			
8.1	24.1	2324.9	775•0	11.6	-2.5	287.6	5.6	5.4	-1.7	306.8	318.8	4.1	37.2	3. 3	54.			
9.0	26.3	2596.5	750.0	10.8	-15.6	274.8	6.1	6+1	-0.5	308.5	314.3	1.9	17.4	3.5	57.			
10.0	28.8	2880.5	725.0	10-1	-7.9	269.2	6.7	6.7	0.1	310.9	320.1	3.0	26.5	3. 9	6.0			
10.9	31.3	3171.1	700.0	7.9	-11.9	284.1	8.0	7.7	-1.9	311.5	319.3	2.2	23.3	4.1	6 3.			
12.0	34.0	3469.7	675.0	6•0	-15.0	301.4	10.2	8.7	-5.3	312.6	318.1	1.8	20.3	4.6	69.			
13.0	36.4	3777.5	650.0	4.2	-32.7	310.3	9.0	6.9	-5.8	313.8	315.9	0.6	8.2	4.9	75.			
14.1	39.2	4095.1	625.0	1.8	-48.8	319.4	8.3	5.4	-ć. 3	314.5	314.8	0.1	1.0	5. 2	80.			
15e1	41.8	4422.0	600.0	-1.1	-50.0	316.9	7.6	5.2	-5.6	314.8	315.1	0.1	1.0	5. 5	65.			
16.3	44.7	4759.3	575.0	-4.2	~52.6	310-1	6•3	4 • &	-4.0	315.0	315.2	0.0	1.0	5.8	98.			
17.4	47.7	5107.7	550.0	-7.0	-54.3	313.9	8.2	5.9	-5.7	315.8	316.0	0.0	1.0	6. 1	91.			
18.6	50.5	5468.7	525.0	-9.1	-55.7	313.1	9.2	6.7	-6.3	317.5	317.6	0.0	1.0	6.6	95.			
19.9	53.8	5844.2	500.0	-11.9	-57∙5	307.5	7.9	6.3	-4.8	318.4	318.6	0.0	1.0	7.2				
21.2	56.8	6234.2	475.0	-15.3	-59.6	297.9	8.9	7.9	-4.2	319.0	319.1	0.0	1.0		100.			
22.7	60.1	6639.8	450.0	-18.4	-61 • 6	290.1	11.2	10.5	-3.8	320.0	320.1	0.0	1.0		101.			
24 • 1	63.7	706366	425.0	-21.2	-63.4	287.8	14.9	14.2	-4.6	321.7	321.8	0.0	1.0		102.			
25.8	67.1	7507.9	400.0	-24.7	-65.7	287.8	15.2	14.5	-407	322.8	322.9	0.0	1.0	11.3				
27.4	70+8	7974.1	375.0	-28.5	-68.2	291.2	16.1	15.0	-5.8	323.8	323.9	0.0	1.0	12.7				
29.1	74.8	8464.3	350.0	-32.6	-70.8	287-1	17.8	17.0	-5.2	324.8	324.8	0.0	1.0	14.5				
30.9	79.0	8981.9	325.0	-36.7	-71.3	290.1	18.7	17.6	-6.4	326.0	326.0	0.0	1.4	16.5				
32.9	63.2	9531.1	300.0	-40.8	99.5	296.3	20.7	18.5	-9.1	327.6	999.9	99.9	999.9	18.7				
34.9	87.6	10118.5	275.0	-44.6	99.9	301.3	23.1	19.7	-12.0	330.7	999.9	99.9	999.9	21.1				
37.0	92.8	10750.0	250.0	-49.6	99.9	310.9	31.0	23.4	-20.3	332.3	999.9	99.9	999.9	24.5				
39.4	98.0	11430.7	225.0	-55.4	99.9	305.9	35.7	28.9	-20.9	333.6	999.9	99.9	999.9	28.9				
42.1	103.5	12171.5	200.0	-60.8	99.9	305.4	37.7	30.8	-21.9	336.6	999.9	99.9	999.9	34.6				
45.1	110.0	12994-8	175.0	-62.9	99•9	292.5	26.8	24.7	-10.3	346.2	999.9	99.9	999.9	41.0				
48.5	116.7	13949.6	150.0	-60.3	99.9	290.1	25.9	24.4	-8.9	366.2	999.9	99.9	999.9	46.4				
52.6	124.7	15078.8	125.0	-63.0	99.9	284.0	24.6	23.8	-6.0	380.9	999.9	99.9	999. 9	51.6				
57 • a	133.3	16434.6	100-0	-69.3	99.9	278.5	13.4	13.2	-2.0	393.8	999.9	99.9	999.9	56.4				
62.5	142.3	18137-1	75.0	-68-2	99+9	264.6	8.0	6.0	9.0	430.0	999.9	99. 9	999.9	60.3				
70.4	152-5	20602.4	50.0	-61.8	99.9	2.5	4.8	-0.2	-4.8	497.8	999.9	99.9	999.9	62.0				
82.9	163.0	24999.0	25.0	-52.6	99.9	307.9	2.7	2.1	-1.7	633.5	999.9	99.9	999.9	61.4	1140			

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED PEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 220 APALACHICOLA. FLA

25 APRIL 1975 515 GMT 165 14. 0 SPEED U COMP RANGE AZ

1.144	C 101	NE LOD I	HKE2	IEMP	CEA PI	DIK	SPEED	O COMP	A CCML	PUII	EPUII	MX KIU	KH	HANGE	AZ
MIN		GPM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	, M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.8	11.0	1016.4	17.8	17.0	360.0	0.0	0.0	G • O	291.0	322.0	12.1	95.0	· c.o	0.
0.5	6.1	168.4	1000.0	20.4	15.1	166.7	3.4	-0.8	3.3	295.0	323.7	11.0	72.6	0.1	351.
1.4	e. 3	387.9	975.0	22.2	5.1	175.7	4.4	-0.3	4.4	298.3	314.0	5.7	32.8	0.3	350.
2.1	1 C. 4	613.0	950.0	21.2	5.4	177.8	4.6	-0.2	4.6	299.5	315.9	5.9	35.6	0.5	353.
2.0	12.5	843.3	925.0	19.8	4.5	175.9	4.0	-0.3	4.0	300.4	316.3	5.7	36.4	0.7	354.
3.6	14.8	1078.3	900.0	17.7	5.7	178.6	4.5	-0-1	4.5	300.6	318.4	6.4	45.6	0.9	355.
4.4	16.9	1316.7	875.0	16.5	4.0	180.6	5.5	0.1	5.5	301.7	318.0	5.8	43.3	1 - 1	356.
5.3	19. 3	1565.1	850.0	15.7	-5.7	188.6	6.6	1.0	6.5	303.0	311.6	3.0	22.5	1 • 5	358.
6.1	21.4	1817.9	825.C	15.0	-7.1	194.2	5.0	1.2	4.9	304.9	314.6	3,4	26.4	1.8	0.
7.2	23.9	2077.3	800.0.	13.1	2•6	219-1	2.8	1.6	2.2	305.9	322.3	5.8	48.7	1.9	3.
8.0	26.2	2344.2	775.0	13.1	-6.6	217.2	2.9	1.8	2.3	308.3	317.5	3.1	25.6	2.0	6.
9.0	26.7	2619.4	750.0	12.6	-11.5	209.8	3.0	1.5	2.6	310.5	317.1	2.1	17.5	2.2	8.
10.0	31.3	2903.0	725.0	11.2	-12.3	191.9	3.7	0.8	3.6	312.0	318.4	2.1	18.0	2.4	9.
11.1	34.0	3194.3	700.0	8.8	-5.4	200.9	2.6	0.9	2.4	312.7	323.6	3.6	36.1	2.7	9.
12.1	36.5	3494.7	675.0	7.5	-11.3	280.6	1.9	1.9	-0.4	314.4	321.7	2.4	24.8	2.7	10.
13.1	39.2	3803.9	650.0	4.7	-11.6	330.3	3.1	1.5	-247	314.6	322.0	244	29.0	2.7	13.
14.2	41.9	4122.0	625.0	2.0	-10-2	351.9	5.2	0.7	-5.1	315.1	323.7	2.8	39.9	2.4	16.
15.2	44.8	4450.1	600.0	-0.6	-10.0	351.7	6.6	1.0	-ć. 5	315.€	325 - 0	3.0	49.1	2. 1	20.
16.5	47.8	4788.8	575.0	-3.4	-11.4	332.8	6.0	2.7	~5 <sub>•</sub> 3	316.3	324.9	2.6	53.9	1.7	
17.5	50.7	5139.5	550.0	-5.3	-12.9	319.4	6.5	4.2	-4.9	318.1	326 • 1	2.6	55.0	1.6	45.
19.1	€3.6	5503.2	525.0	-7.8	-14.7	323.8	6.8	4.0	-5.5	319.3	326.7	2. 3	57.6	1.6	66.
20•4	56 • 6	5880•7	500.0	-11.0	-19.7	314.8	7.5	5.3	-5.3	319.5	325.0	1.6	48.4	1.8	82.
21.7	55.9	6272.9	475.0	-13.1	-23.6	29905	9.5	8.3	-4.7	321.0	325.8	1.2	41.1	2.3	94.
23. 3	ć 3• 3	6682•3	450+0	-16.6	-28.7	291.4	10.4	9.7	-3.8	322.5	325 • 2	0.8	33.9	3. 2	
24.8	66.5	7109.2	425.0	-20.3	-28.6	289.6	11-4	10.7	-3.8	323.0	325.9	0.8	47-1		102.
26.3	70.1	7554.7	400.0	-24.1	-31.5	294.5	15.2	13.9	-6.3	323.7	326.0	0.7	50.1		104.
27.9	72.7	8022.5	375.0	-26.5	-49.2	297.6	16.2	14.3	-7.5	326.4	326.9	0.1	9.9		107.
29.7	77.8	8517.1	350.0	-30.2	-53.0	300.6	17.5	15.1	-6.9	328.0	328.3	0.1	8.6		110.
31.6	£1.6	9039.5	325.0	-34.3	-55.9	301.0	17.3	14.8	-8.9	329.3	329.5	0.1	9.0		112.
33.6	86.0	9594.3	300.0	-38.3	-58.7	310.6	19.7	15.0	-12.8	331.3	331.5	0.0	9.4		114.
35+7	90.5	10186.9	275.0	-43.2	99.9	323.0	25.9	15.6	-20.7	332.7	999.9	99.9	999.9		118.
37.9	95.3	10822.9	250.0	-47.7	99.9	316.5	31.4	21.6	-22.8	335.2	999.9	99.9	999.9		122.
40.6	100-4	11509.4	225.0	-53.7	99.9	320.2	26.0	16.6	-20.0	336.2	999.9	99.9	999.9		125.
43.7	106.0	12254.8	200.0	-60.5	99.9	318-5	31.0		-23.2	337.0	999.9	99.9	' 999e9 '		128.
46+7	112-0	13074.9	175.0	-65.4	99.9	321.7	31.8	19.7	-24.9	342-1	999.9	99.9	999.9		130.
50.3	118.5	14019.0	150.0	-62.4	99•9	304.2	27.7	22.9	-15.6	362.6	999.9	99.9	999.9		129.
54.7	126.0	15144.4	125.0	-64.6	99.9	296.9	20.6	18.4	-9.3	378.0	999.9	99.9	999.9		128.
59.7	124.7	16488.5	100.0	-70.6	99.9	283.2	14.7	14.3	-3.4	391.4	999.9	99.9	999.9		127.
65.4	143.0	15194.7	75.0	-71.1	99.9	294.1	6.9	6.3	-2-8	423.9	999.9	99.9	999.9		126.
74.0	163.0	20654.3	50.0	-61.8	59.9	110.7	4.8	-4.5	1.7	497.9	999.9	99.9	999.9		126.
89.0	163.3	25065.6	25.0	-53•3	99 <b>.</b> 9	140.9	1.3	-0.8	1.0	632.0	999.9	99.9	99 9. 9	50.5	128.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE. ALA

164

19. 0

TIME CNTCT **HEIGHT** PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTC RH RANGE A 7 MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K GM/KG DG K PCT DG KM 140.0 1000.7 20.8 19.6 200.0 295.8 333.6 14.6 93.0 0.0 0.0 5.8 5.1 1.7 4. E Ú. 201.2 1000.0 20.9 19.3 10.3 3.7 9.6 295.9 333.0 14.3 90.7 0.1 0.0 5.9 146.1 6. 975.0 297.5 204.0 16.5 6.7 15.1 334 . 4 14.1 90.1 0.8 21. 8.2 8.4 366.0 20.4 18.7 297.4 330.8 207.5 25. 2.4 1C. 5 590.3 950.0 18.2 16.7 16.3 7.5 14.5 12.7 90.8 2.0 925.0 212.3 297.0 319.8 818.6 16.2 10.2 16.8 9.0 14.2 67.7 3.1 3.5 13.2 8.5 26 900.0 323.4 301.1 4.5 15.6 1052.8 18.0 9.2 215.9 13.9 8.2 11.3 8.2 56.5 4.0 20. 324.4 16.4 223.5 301.9 5.6 18.1 1293.5 875.0 8.9 10.4 7.2 7.6 8.2 61.3 4. 8 30. 20.6 6.7 1540.2 850.0 15.3 7.4 223.0 10.5 7.2 7.7 303.1 324.3 7.6 59.4 5.5 12. 7.8 23.2 1792.8 825.0 14.0 5.5 231.3 8.8 6.9 5.5 304.4 323.7 6.9 56.6 33. 6.1 9.0 25.7 2052.0 800.0 12.4 3.4 228.2 11.3 8.4 7.5 305.2 322.5 6.1 53.9 6.8 35. 10.1 28.4 2317.5 775.0 10.3 -3.4 224.7 10.8 7.6 7.7 305.5 317.4 4.2 40.6 7.5 36 11.1 31.2 2589.7 750.0 9.0 -15.3 223.0 9.5 6.5 7.0 306.6 311.4 1.6 16.3 8.2 37. 12.3 34.1 2869.2 725.0 7.2 -22.6 224.0 11.8 8.2 8.5 307.4 310.2 0.9 10.1 8. 5 37. 13.6 36.8 3157.2 700.0 6.8 -45.7 233.6 15.7 12.7 9.3 310.0 310.4 0.1 1.0 9.8 38. 14.8 39.7 3455.4 675.0 6.2 -46.1 244.8 17.4 15.8 7.4 312.6 312.9 0.1 1.0 11.1 40. 16.1 42.5 3763.3 650.0 4.4 -45.0 257.7 17.9 17.4 3.8 314.0 314.3 0.1 1.3 12.2 44. -33.5 314.7 315.9 17.3 45.5 4080.9 625.0 1.9 257.4 16.5 16.1 3.6 0.4 5.1 13.3 47. 13.5 48.6 4408.0 600.0 -1.1 -26.9 253.4 14.3 13.7 4.1 314.9 317.2 0.7 12.0 14.3 49. 4745.6 19.9 51.5 575.0 -3.7 -52.3 256.4 13.8 13.4 3.2 315.7 315.8 0.1 1.0 15.4 51. 21.2 54.8 5094.2 550.0 -7.1 -46.9 267.5 12.9 12.9 C. 6 315.7 316.1 0.1 2.6 16.3 53. 22.6 57.9 5454.4 525.0 -10.4 -31.9 271.0 12.8 12.8 -0.2 315.9 317.6 0.5 15.2 17.1 55. 24.1 61.3 5827.2 500.0 -14.1 -35.9 280.4 15.7 15.4 -2.8 315.9 317.9 0.6 24.2 18.1 57. 19.3 25.7 64.7 6215.9 475.0 -15.4 -59.7 277.7 17.5 17.4 -2.3 318.9 319.0 0.0 1.0 61. 27.3 68.1 6621.6 450.0 -18-1 -61.4 276.3 16.7 16.6 -1.8 320.5 320.6 0.0 1.0 20.7 64. 28.9 71.6 7046.2 425.0 -21.1 -63.3 271.6 20.7 20.7 -0.6 321.9 322.0 0.0 1.0 22.2 66. 30.4 75.4 7491.4 400.0 -24.1 -65.3 273.2 23.0 22.9 -1.3 323.6 323.7 0.0 1.0 24.0 69. 32.0 79.3 7958.8 375.0 -27.8 -67.7 277.0 22.8 22.7 -2.8 324.7 324.7 26.0 70. 0.0 1.0 33.8 83.2 8450.6 350.0 -31.7 -70.3 270.9 25.0 25.0 -0.4 325.9 325.9 28.5 72. 0.0 1.0 87.3 8970.1 325.0 -35.6 -73.0 327.3 327.3 31.0 74. 35.8 263.9 23.6 23.5 2.5 0.0 1.0 300.0 37.8 91.8 9521.3 -40.3 99.9 260.8 22.2 22.0 3.5 328.6 999.9 99.9 999.9 33.9 74. 275.0 39.8 96.3 10109.3 -44.8 99.9 275.1 29.4 29.3 -2.6 330.4 999.9 99.9 999.9 36. 7 75. 42.0 101.0 10738.9 250.0 -50.2 99.9 282.4 35.0 34.2 -7.5 331.5 999.9 99.9 999.9 40.7 78. 44.8 106.4 225.0 -55.2 99.9 295.0 11419-0 37.2 33.8 -15.7 333.9 999.9 99.9 999.9 45.9 82. 47.6 200.0 85. 111.8 12160-1 -61.1 99. 9 293.7 32.5 29.7 -12.0 336.1 999.9 99.9 999.9 50.7 117.8 51.2 12983+3 175.0 -63.7 99.9 295.9 29.6 26.6 -12.9 344.9 999.9 99.9 999.9 56.9 89. 54.4 124.5 279.4 13930.9 150.0 99.9 -5.0 358. € 999.9 99.9 999.9 61.6 90. -64.6 30.3 29.9 59.4 131.7 25.9 375.4 70<sub>•</sub> 5 15044.9 125.0 -66.0 99.9 276.9 25.7 -3.1 999.9 99.9 999.9 92. 139.3 396.0 65.0 16389.4 100.0 99.9 283.8 21.5 999.9 79.4 -68.2 22.2 -5.3 999.9 99.9 92. 72.3 147.3 99.9 300.0 18110.7 75.0 -68.0 5.2 4.5 -2.6 430.4 999.9 99.9 999.9 84.8 92. 82.0 156.0 20592.3 50.0 -62.1 99.9 291.3 3.0 2.8 -1.1 497.2 999.9 99.9 999. 9 87. 8 93. 99.0 165.7 24973.4 25.0 999.9 -53.1 99.9 105.4 3.6 -3.5 1.0 632.5 999.9 99.9 84.4 94.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EV TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NG. 232 BOOTHVILLE. LA

25 APRIL 1975 515 GHT

							23		TALD								
								515 G	HT				165 27. G				
	TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	. AZ	
	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	5.0	1.0	1017.2	21.2	20.9	140.0	. 3•6	-2.3	2.8	295.0	334.9	15.5	98.0	0.0	, ο	
	0.4	6.4	149.9	1000.0	22.3	21.7	163.5	13.6	-3.9	13.1	297.7	341.0	16.6	96.4	0.4	325	•
	1.2	8.8	371.0	975.0	21.5	20.9	166.3	13.0	-2.6	12.7	296.9	341.3	16.2	96.2	0.9	337	. :
	2.0	11.1	596.5	950.0	19.8	19.1	174.2	13.6	-1.4	13.5	299.2	338.2	14.8	95.9	1.6	343	•
	2.9	13.6	82ć.6	925.0	18.6	17.3	179.2	12.2	-0.2	12.2	300.1	336.1	13.6	92.1	2. 2	347	•
	3.8	15.9	1062.0	900.0	17.4	16.1	180-2	8.9	0.0	9.B	301.1	335.7	1.3.0	92.5	2.8	350	t •
	4.6	18.5	1302.9	875.0	15.8	14.0	177.8	9.8	-0.4	9.7	301.8	333.0	11.6	89.2		351	
	5.6	20.9	1549.1	850.0	15.5	7.0	177-1	10.5	-0.5	10.5	303.3	324.0	7.4	57.2		352	
	6.5	23.6	1802.5	825.0	15.7	-7.1	176.2	10.4	-0.7	10.4	305.6	313.7	2.7	20.1	,	353	
	7.4	26.1	2062.5	800.0	14.0	-3.2	177.7	12.0	-0.5	12.0	306.6	317.6	3.8	30.0	5.0		
	8.5	28.9	2329.4	775.0	12.5	-8.4	176.8	11.4	-0.2	11.4	307.5	315.4	2.6	22.5		354	
	9.5	31, 7	2674.0	750.0	12.6	-35.2	180.5	10.1	0-1	10.1	310.3	311.6	0.4	3.2		354	
	10 • 5	34.6	2887.9	725.0	12.1	-25.1	178.9	8.5	-0.2	e. 5	312.8	315.1	0.7	5.7		355	
	11.5	37.3	3180.6	700.0	10.8	-29.4	171.2	8.3	-1.3	8.2	314.5	316.1	0.5.	4.1		355	
•	12.7	40.2	3482.0	675.0	8.5	-20.4	167.8	8.0	-1.7	7.6	315.3	318.9	8 • 1	10.8		355	
	13.8	43.1	3791.9	650.0	5.6	-16.9	176.5	7.9	-0.5	7.9	315.5	320.5	ã u 6	17.8		354	
	14.9	46.3	4111-3	625.0	3.3	-13.5	187.0	9.7	1.2	9.6	316.4	323.2	20 €	28.0		355	
	16.1	49.4	4440.6	600.0	0.5	-12.9	195.5	9.4	2.5	9.0	317.0	324.4	2, 4	35.6		356	
	17.3	52.4	4780.5	575.0	-2+0	-19-3	213.1	8.6	4.7	7.2	317.8	322.5	1.4	25.2		357	
	18.5	55.7	5132.4	550.0	-4.1	-20.9	229.1	8.7	6.6	5.7	319.3	323.6	1.3	25.6		360	
	19.9	59.0	5497.3	525.0	-7-1	-19.8	259•2	9.0	8.8	1.7	320.0	324.9	1.5	35,4	11.2		-
	21.2	62.5	5876-1	500.0	-9.4	-31.2	272.4	10.5	10.5	-0.4	321.6	323.5	0.6	14.9	11.3		
	22.7	66.0	6270.2	475.0	-12.1	-41.9	276.5	12.3	12.2	-1.4	323.0	323.7	0.2	6.2	11.4		
	24.0	69.7	6621-4	450.0	-15.4	-37.4	275.8	14.3	14.3	-1.5	323.9	325.1	0.4	14.1	11.5		
	25.5	73.3	7109.7	425.0	-19.2	-29.8	276.2	18.5	18.3	-2.0	324.4	327.0	0-8	38.3	11.9		
	27.0	77.3	7558.5	400.0	-21.8	-38.3	278.1	21.0	20.8	-2.9	326.6	327.8	0.3	20.8	12.6		
	28.6	81.3	8030.3	375.0	-25.4	-31.3	278.1	21.7	21.5	-3.1	328.0	330 • 6	0.7	57.4	13.5		-
	30.4	€5.6	8527.8	350.0	-29•0	-34.8	282.2	19.7	19.3	-4.2	329.7	331.7	0.6	56.9	14.8		
	32.3	89.8	9052.9	325.0	-33.3	-39.6	285.4	22.0	21.2	-5.8	330.7	332.0	0.4	52.9	16.2		
	34.5	94.6	9609,7	300.0	-37.8	-46.3	290.9	24.7	23.1	-8.8	332.0	332.8	0.2	40.1 999.9	18.1		-
	36.6	99.2	10204.6	275.0	-42.0	99.9	288.5	26.9	25.5	-6.5	334.5	999.9	99.9		20.4		
	39.0	104.3	10843.0	250.0	-47.0	99.9	281.4	32.0	31.3	-6.3	336.2	999.9	99.9	999.9	24.1		
	41.7	110.0	11532.2	225.0	-52.4	<b>\$9.9</b>	289.9	32.5	30.6	-11.1	338.3	999.9	99.9.	999.9	28.6 33.9		
	44.5	115.8	12282.6	200.0	-58.7	99.9	293-1	36.0	33.1	-14.1	339. 6	999.9	99.9	999.9 999.9	39.8		
	47.5	122-3	13107-2	175.0	-65.7	99.9	296.0	39.9	35.8	-17.5	341.5	999•9 999•9	99.9	999.9			
	50.6	129.3	14030.8	150.0	-69.6	<b>99.9</b>	288.9	28.6	27.0	-9-3	350.2 377.7	999.9	99•9 99•9	999.9	46. 4 53. 8		
	54.8	137.0	15135.6	125.0	-64-8	99.9	265.3	27.1	27.0 20.0	-0.2	392.4	999.9	99.9	999.9	60. C		
	59.6	144.3	16477.3	100.0	-70.1	99.9	270.0	20.0	10.4			999.9	99.9	999.9	64.2		
	65.4	152.3	18182-2	75.0	-71 - 8	99•9	289.9	11.1 5.7	-1.1	-3.8 -t.6	422.3	999.9	99.9	999.9	66.0		
	73.7	161.0	20639.2	. 50.0	-63.6	99.9	11.3		99.9		99.9	999.9	•	999.9	999.9		
	99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	33.3	99.9	44.4	333.93	99.9	<del>9</del> 99.9	AA2. 2	777	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 235

				515 GMT									161 15. 0				
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEEC	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ		
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG		
0.0	4.4	100.0	1003.8	23.9	20.8	200.0	. 6.2	2.1	5.8	298.8	339.9	15.7	83.0	0. 0	0.		
0.1	4.7	133.3	1000.0	23.2	21.0	196.0	10.9	3.0	10.5	298.5	340 · G	15.9	87.3	0.2	9.		
1.0	6.6	354.5	975.0	21.4	20.3	198.1	14.7	4.6	14.0	298.8	339.5	15.6	93.4	0.7	16.		
1.7	8. 5	579+8	950.0	19.4	18.5	201.0	16.5	5.9	15.4	298.8	336.4	14.3	94.4	1.4	18.		
2.4	10.8	809.7	925.0	17.8	16.7	203.4	17.8	7.1	16.3	299.3	333.9	13.1	93.4	2. 1	19.		
3.2	13.0	1044.1	900.0	16.3	14.3	207.0	16.7	7.6	14.9	299.8	330.6	11.5	88.1	3.0	21.		
4.1	15.2	1284.5	875.0	16.7	10.6	206.5	16.4	7.3	14.7	302.4	327.6	9.2	67.2	3.8	22.		
5.0	17.3	1531.6	850.0	16.0	6.2	208.1	17.6	8.3	15.5	303.8	323.5	761	52.4	4.8	23.		
6.0	19.5	1784.9	825.0	14.7	3.8	216.7	16.2	9.7	13.0	305.0	322.3	6.1	47.9	5.7	25.		
6.9	21.8	2044.7	800.0	13.1	3.7	217.4	17.9	10.9	14.2	306.0	323.7	6.3	52.7	6. 7	27.		
7.9	24.3	2311.4	775.0	13.0	-9.1	217.4	16.0	9.7	12.7	308.1	315.6	2.5	20.6	7.7	28.		
8.9	26.5	2597.1	750.0	13.5	-14.7	218.2	14.8	9.2	11.6	311.5	316.6	1.6	12.7	e. 6	29.		
9.9	29.0	2871 • 1	725.0	12.0	-15.4	216.5	14.4	8.6	11.6	312.8	317.8	1.6	13.1	9.4	30.		
10.9	31.7	3163.4	700.0	9.5	-13.5	220.1	13.5	8.7	10.4	313,3	319.3	1.9	18.1	10.2	30.		
12.0	24.4	3463.5	675.0	7.1	-14.5	224.2	14.6	10.2	10.5	313.8	319.6	1.8	19.7	11.1	31.		
13.1	37.0	3772.2	650.0	4.7	-14.8	222.0	15.7	10.5	11.7	314.5	320.4	1.9	22.7	12.1	33•		
14.1	39. 3	4090.4	625.0	2.1	-13.6	225.0	17.0	12.0	12.0	315, 1	321.8	2. 1	30.0	13.1	33.		
15.3	42.4	4418.8	600.0	-0.4	-14.0	238.5	17.9	15.2	9.4	316.0	322.7	2.2	34.7	14.3	35.		
16.4	45.4	4757.4	575.0	-3.0	-16.5	253.0	15.3	14.7	4.5	316.6	322.5	1.8	34.4	15.3	37.		
17.8	46.5	5108.0	550.0	-5.6	-20.3	268.4	15.8	15.8	0.4	317.6	322.1	1.4	30.1	16.2	40.		
19.0	51.4	5470.7	525.0	-8.8	-20+8	272.8	17.2	17.2	-0.8	318.0	322.6	1.4	37.0	16.9	43.		
20.1	54.6	5846.2	500.0	-12.5	-20.3	270.5	18.1	18.1	-0.2	318.0	322.9	1.5	51.8	17.8	46.		
21.6	57.9	6235.3	475.0	-16.2	-20.5	268.5	19.2	19.2	0.5	318.0	323.1	1.6	69.4	1.9. 0	50.		
23.1	61.3	6639.3	450.0	-19.6	-25.7	263.4	18.9	18.8	2.2	318.6	322.6	1.2	69+7	20.5	53.		
24.7	65.0	7064.4	425.0	-20.3	-37.8	249.7	19.6	18.4	ۥ 8	322.9	324.1	0.3	1.9.1	22.1	54.		
26.3	68.7	7510.9	400.0	-23.3	-40.3	256.7	18.5	18.0	4.2	324.6	325.6	.0.3	19.3	23.9	56.		
28.0	72.4	7979.6	375.0	-27.2	-43.4	254.5	19.4	18.7	5 • 2	325.5	326.3	0.2	19.6	25. 7	57.		
29.7	76.5	8472.7	350.0	-31.2	-4667	256.2	19.4	18.8	4.6	326.6	327.2	0.2	19.9	27.6	58e -		
31 • 5	80.7	8993.3	325.0	-35.4	-40.8	263.1	21.6	21.7	2.6	327.9	329.1	0.3	57.2	29.5	60.		
33.3	£5. 2	9545.8	300.0	-39.5	99•9	274.0	27.2	27.1	-1.9	329.7	999.9	99.9	999.9	31.9	62.		
35.3	90.0	10134.8	275.0	-44.7	99.9	276.3	31.2	31.1	-3.4	330.4	999.9	99.9	999•9	34.9	66.		
37.8	95.2	10765.2	250.0	-50-1	99.9	280.2	36.0	35.4	-6.4	331.7	999.9	99.9	999.9	39. 3	59.	,	
40-4	100.5	11446.5	225.0	-54.9	99.9	268.8	36.7	34.7	-11.8	334.4	999.9	99.9	999.9	44.2	74.		
4301	106.5	12191.4	200.0	-60.0	99.9	294.7	32.9	29.9	-13.7	337.8	999.9	99.9	999.9	48.8	78.		
45.9	112.8	13014-6	175.0	-65.3	99.9	281.2	26.9	26.4	-5.2	342.2	999.9	99.9	999•9	53.2	81.		
49.3	119.7	13946.0	150.0	-64.9	99.9	265-1	36.2	36.1	J. 1	358.3	999.9	99.9.	999.9	58.7	82.		
53. 3	127.5	15066.2	125.0	-63.5	99.9	274.9	29.4	29.3	-2.5	380.0	999.9	99.9	999.9	66.1	83.		
58.0	136.0	16421.8	100.0	-67.2	99.9	283.6	21.6	20.9	-5.1	397.9	999 <b>.</b> 9	99.9	999.9	73.9	84.		
63.7	144.0	18147.9	75.0	-67.4	99.9	275.5	12.5	12.5	-1.2	431.6	999.9	99.9	999.9	77.7	95.		
72.0	152. 3	20623.1	. 50.0	-59.8	99.9	24.3	5.2	-2.1	-4.8	502.8	999.9	99.9	999.9	78.9	86.		
86.9	160.7	25028.9	25.0	-52.0	99.9	27.7	2.7	-1.2	-2.4	635.6	999.9	99.9	999.9	76.8	86.		

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEPF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

161 14. U COMP MX RTO TIME CATCT HE I GHT PRES TEMP CEW PT DIR SPEED V CCMP PCT T E POT T RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 1014.4 23.3 21.6 170.0 7.1 297.4 339.6 16.2 90.0 0.0 C . 0.0 3 - 5 ... . 7.2 -1.3 0.3 4.6 130-4 1000-0 22.5 21.6 169.5 11.7 -2.1 11.5 297.9 340.8 16.5 94.4 0.4 349. 173.9 338.4 0.7 349. 1.0 644 351.1 975.0 20.9 20.0 11.3 -1.2 11.2 298.3 15.3 94.7 576.3 950.0 19-4 18.5 127.4 11.5 11.4 298.8 336.4 14.3 94.5 1.2 353. 1.7 8-4 1.5 £05.8 13.1 206.9 10.5 9.4 299.1 326.8 10.4 73.7 1.6 350. 10-3 925.0 18.0 4.8 2.4 12.3 1041.5 900.0 206.5 11.5 10.3 302.3 329.3 10.0 65.0 2.1 8. 3.2 18.8 12.1 5 - 1 14.4 1283.1 875.0 17-1 12.0 204.9 12.2 5.1 11.1 302.9 330.4 10.1 71.9 2.6 - 11. 4.0 328 . 7 4.9 16.4 1530.4 850.0 15.6 9-9 201.5 12.3 4.5 11.4. 303.8 9.1 68.8 3.2 14. 5.7 18.6 1763.6 825.0 14.3 6.0 186.7 13.9 1.6 13.8 304.6 324.5 7.1 57.3 3.9 14. 20.7 2042.9 800.0 12.4 5.8 181.9 13.7 0.5 13.7 305.3 325.7 7.3 64.1 4.6 12. 6.5 22.9 2308.5 775.0 10.8 2.1 183.6 14.1 0.9 14.1 306.2 322.6 5.8 55.0 5.3 11. 7.4 2581.5 750.0 11.2 -23.0 186.4 16.0 1.8 15.9 308.9 312.1 1.0 9.4 6. 1 10. 8.3 25.2 312.5 313.6 0.3 2.7 7.1 10. 9.3 27.4 2864.6 725.0 11.8 -34.5 187.3 17.0 2.2 16.9 10.4 29.8 1157.2 700-0 11.0 -24.4 196.4 17.3 4.9 16.6 314.6 317.3 0.6 6.4 8.2 10. 316.3 318.1 0.5 4.9 9.3 11. 11.4 32.3 3459.4 675-0 9.5 -29.0 207.3 15.0 6.9 13.3 34.9 3771.3 650.0 8.1 -25.1 228.4 10.9 8.1 7. 2 318.2 320.9 0.8 7.9 10.1 13. 12.6 318.6 324.6 21.3 10.5 16. 13.7 37.2 4093.1 625.0 5.2 -15.2 246.3 10.2 9.3 4.1 1.9 318.8 325.6 2.2 29.2 10.9 19. 39.9 4424.2 600.0 2.1 -14.0 252.4 10.1 9.6 3.0 14.8 42.2 4765.7 575.0 -1.3 -13.5 249.5 10.9 10.2 3.8 318.8 326.2 2.3 38.9 11.4 22. 16.0 45.1 318.6 326.7 2.6 53.3 11.9 25. 17.3 5117.6 550 . C -4.9 -12.9 254.1 10.6 10.2 2.9 18.6 48.0 5481.1 525.0 -8-6 -16.2 260.2 11.1 10.9 1.9 318.3 324.8 2.0 53.9 12.5 28. 19.5 50.8 5857.6 500.0 -11.4 -23.0 270.5 12.9 12.9 -0.1 319.2 323.2 1.2 37.6 13.0 31. 6248.5 475.0 -14.9 -24.9 273.8 13.6 13.6 -0.9 319.6 323.1 1.1 41.7 13.5 35. 21.1 53.8 450.0 320.7 322.9 0.6 30.8 14.3 40. 22.6 56.8 6655.4 -18.0 -31.0 273.2 17.8 17.7 -1.0 324.0 0.3 14.4 15.3 45. 7080.5 425.0 -20.2 -40.4 277.4 18.7 18.6 -2.4 323.1 24.1 60.0 63.4 7528.4 400.0 -22.6 -58.1 273.3 23.0 -1.3 325.5 325.8 0.1 3.6 16.4 50. 25.6 23.0 330.5 18.1 7999.3 -25.6 -30.1 267.4 25.7 25.7 1.2 327.7 0.8 66.2 54. 27.0 66.6 375.0 70.3 -29.6 -35.0 272.8 -1.2 328.9 330.8 0.6 59.2 20. 2 58. 28.5 8495.4 350.0 25.4 25.4 332.0 33.0 22.3 30.3 74.0 9020.2 325.0 -33-0 -43.7 279.5 26.7 26.3 -4.4 331.1 0.2 620 333.4 1.0 78.0 9579.4 300.0 -36.8 -73.7 279.8 25.8 -4.5 333.3 0.0 24.8 67. 32.3 26.2 275.0 999.9 99.9 999.9 27.9 71. 34.5 82.0 10174.7 -42.1 99.9 282.3 28.3 27.6 -6. -334.2 99.9 999.9 31.5 75. 36.8 86.3 10812.7 250.0 -47.2 99.9 285.9 32.7 31.4 -9.0 335.9 999.9 11501.4 39.2 91.2 225.0 -52.9 90.0 291.4 35.9 33.5 -13.1 337.5 999.9 99.9 999.9 35.9 AG. 12251.2 39.0 38.0 -9.0 340.0 599.9 99.9 999.9 40.7 83. 41.7 96.0 200.0 -58.6 99.9 263.3 37-5 -12-4 342.4 999.9 99.9 999.9 48.1 87. 45.0 101.5 13078.3 175.0 -65.1 288.3 39.5 99-9 14009.4 999.9 107.8 -66.0 99.9 278.3 27.7 27.4 -4-0 356.4 999.9 99.9 56.0 90. 48.6 150.0 277.6 24.5 -3.2 378.1 999.9 99.9 999.9 63.3 90. 53.4 114.7 15125.1 125.0 -64.6 99.9 24.7 122.5 16472.1 100.0 99.9 282.7 -3.6 395.4 999.9 99.9 999.9 70.6 90. -68.5 16.4 16.0 58.8 0.2 432.1 999.9 99.9 999.9 76.0 90. 65.6 132.0 18173.6 75.0 -67.1 99.9 269.5 17.4 17.4 91. -62.9 495.4 999.9 9949 999.9 78.8 20652.3 50.0 99.9 288.0 3.6 3.4 -1.1 74.9 143.0 157.0 99.9 33404 4.5 1.9 -4.0 639.6 999.9 99.9 999.9 75. 9 94.

-50.4

25.0

25056.3

90.6

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 248 SHREVEPORT. LA

## 25 APRIL 1975

							518 G	MT					. 1	64 13.	• 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.4	79.0	1002.7	23.3	18.4	180.0	6.2	0.0	ۥ 2	298.0	333.4	13.4	74.0	0.0	c.
0.1	4.6	102.7	1000.0	23.3	19-1	187.9	8.8	1.2	8.7	298.3	335.4	14.1	77.6	0.1	2.
0.8	6-5	324.2	975.0	22.0	20.5	199.0	14.5	4.7	13.8	299.4	340.9	15.8	90.9	0.6	10.
1.7	e. 7	550.3	950.0	20.6	19.4	207.2	18.3	8.3	16.3	300.1	340.1	15.2	93.1	1.4	18.
2.6	10.8	781.4	925.0	19.9	18.5	215.1	19.6	11.3	16.0	301.6	340.5	14.6	91.6	2.4	24.
3.3	13.0	1017.8	900.C	18.4	16.9	217.8	20.7	. 12.7	-16.4	302.3	338.7	13.6	90.6	3.3	27.
4.3	15.3	1261.6	875.0	20.4	11.3	222.2	20.0	13.4	14.8	306.3	333.1	9.7	56-1	4.4	31.
5.2	1.7.6	1511.3	850.0	18.3	9.5	220.0	20.6	13.2	15.5	306.6	331.2	8.9	56.4	5.6	33.
6.2	20.0	1766.4	825.0	16.0	8.4	220.2	19.5	12.6	14.9	306.6	330.1	8.4	60.7	6. B	34.
7.3	22.3	2027.5	800.0	13.9	7.6	221.7	20.0	13.3	14.9	307.1	330 • 2	8.3	66.0	8.0	35.
8.2	24.8	2295.0	775.0	12.9	-1.9	227.7	21.1	15.6	14.2	308.2	320.9	4.3	36.1	9.2	36.
9.3	27.2	2570.3	750.0	13.3	-15.7	233.5	21.5	17.3	12.6	311.2	315.9	1.5	11.8	10.5	3 8∙
10.5	29.9	2954.0	725.0	11-4	-18.5	234.7	21.1	17.2	12.2	312.1	316.0	1.2	10.5	12.0	40.
11.6	32.6	3245.7	700.0	9.3	-18.9	234,6	21.1	17.2	12.2	312.9	316.8	1.2	11.7	13.3	42.
12.7	35.3	3445.6	675.0	6.9	-15.8	232.8	23.1	18.4	13.9	313.6	318.8	1.6	17.9	14.8	43.
13.9	38.0	3754.1	650.0	5.1	-19.2	230.4	24.5	18.9	15.6	314.8	319.0	1.3	15.2	16.5	44.
15.1	40.5	4072.7	625.0	2.7	-21.2	234.8	22.0	18.0	12.7	315.7	319.4	1.1	15.2	18.2	45.
16.5	43.8	4401.5	600.0	0.6	-46.7	240.0	20.3	17.6	10.1	316.8	317.2	0.1	1.4	19.8	46.
17.8	46.8	4741.2	575.0	-1.9	-19.7	242.4	20.2	17.9	9.3	317.9	323.1	1.6	28.2	21.3	47.
18.9	49.9	5093.3	550.0	-4.6	-9.5	238.5	23.5	20.0	12.3	319.0	329.5	3.4	68.5	22.8	48.
20.0	.52. 9	5457.6	525.0	-7.9	-13.2	239.5	24.6	21.2	12.5	319.3	327.5	2.6	65•5	24.4	49.
21.3	56.0	5834.6	500.0	-11.3	-13.9	240.3	25.1	. 21.8	12.4	319.5	327.8	2.6	81.3	26.3	49.
22.6	59.4	6226.1	475.0	-14.6	-16.0	247.3	25.7	23.7	9.9	320.1	327.4	2.3	89.2	28. 1	50.
23.9	€3.0	6633.4	450.0	-17.7	-19.4	249.5	27.3	25.6	9.6	321.1	327.1	1.8	86.7	30.2	52.
25.4	66.6	7058.9	425.0	-21.0	-22.3	256. b	28.2	27.4	6.5	322.2	327.1	1.5	88.8	32. 4	53.
27.2	70.4	7504.3	400.0	-23.9	-26.3	261.8	25.6	25.3	3. 7	324.0	327.8	1.1	80.0	35.3	55.
29.2	74.2	7973.4	375.0	-26.1	-32.2	270.4	26.4	26.4	-0.2	327-1	329.5	0.7	55.8	37.8	58.
30.6	78.3	8468.8	350.0	-30.0	-36.5	275.7	25.3	25.1	-2,5	328.2	329.9	0.5	52.8	39. 7	
31.5	e2. 5	8991.8	325.0	-34-8	-39.4	27720	27.9	27+7	-3.4	328.6	330.0	0.4	62.9	40.6	61.
33.1	£7.0	9546.0	300.0	-39.0	-47.2	284.6	29.3	29.3	-7.4	330.4	331.0	0.2	40.6	42.7	63.
35.3	92.0	10136.2	275.0	-44.0	99.9	290.2	23.9	22.5	-8.3	331.6	999.9	99.9	999.9	45. 5	60.
37.6	96.8	10770-5	250.0	-48.3	99.9	280.2	39.2	38.6	-7.0	334.3	999.9	99.9	999.9	49.4	59.
40.4	102.3	11455.8	225.0	-54.0	99.9	280.6	45.0	44.2	-8.2	335.8	999.9	99.9	999.9	55. 5	73.
43.5	106.3	12200.6	200.0	-60.6	99.9	279.7	48.7	48.0	-8.2	336.8	999.9	99.9	999.9	62.3	77.
46.6	114.7	13019.7	175.0	-66.3	99.9	276•7	51.2*	50.9	-6.0	340.5	999.9	99.9	999.9	68. 6	80.
50.3	121.3	13948-5	150.0	-66.7	.99.9	271.6	35∙3≠	-	-1.0	355.1	999.9	99.9	999.9	77.4	82.
54.7	129.0	15067.5	125.0	-64.1	99.9	266.3	27.6*		1.8	379.0	999.9	99. 9	999.9	87.6	82.
59.8	137.0	16429.8	100.0	-65·4	99.9	268.6	28.5		0.7	401.3	999.9	99.9	999.9	95. 2	
65.7	145.0	18150.0	75.0	-71.0	59.9	274.3	20.6*	20.5	-1.5	424.0	999.9	99.9	999.9	100.8	83.
74.9	154.0	20636.6	50.0	-60.7	99.9	36.4	5.6	-3.3	-4.5	500.5	999.9	99.9	999.9	104.0	83.
89.2	162.7	25C29.1	25.0	-53.8	99.9	334.2	2.2	1.0	-2.0	630.5	999.9	99.9	999.9	103.5	85.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEPF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

50

STATION NO. 255 VICTORIA: TEX

157 32. 0

TINE	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PĆT	KM	DG	
0.0	3.7	33.0	1008.2	24.8	22.7	170.0	8.2	-1.4	e• 1	299•6	345+4	17.5	88.0	0.0	0.	
0.2	4.3	105.3	. 1000.0	25.4	24.0	999.9	99.9	99.9	99.9	301.1	351.5	19.2	92.0	999.9	995.	
1.0	6.2	328.4	975.0	. 23.4	22.2	999.9	99.9	99.9	99.9	301-1	347.5	17.6	93.1	999.9		
1.7	8.3	555.8	950.0	22.0	20.8	178.4	15.5	-0.4	15.5	301.7	345.4	16.5	92.8			
2.4	10.3	788.0	925.0	20.7	19.3	955.9	99.9	99.9	99.9	302.5	343.9	15.5	92.1	999. 9		
3.2	12.3	1024.8	900.0	18.3	17.0	999.9	99.9	99.9	99. 9	302.2	339.0	13.7	92.2	999.9	999.	
4.0	14.5	1267-6	875.0	20.3	7.9	999.9	99.9	99.9	99.9	305.9	327.5	7.7	44.8	999•9	999.	
4.8	16.5	1517.1	850.0	18.5	5.5	185.6	20.5	2.0	20.4	306.4	325.4	6.7	42.5	4.4	Ç.	
5.5	18-9	1772.2	825.0	17.1	-11.2	184.5	18.3	1.4	18.2	307.0	314.0	2.4	15.8	5.3	1.	
6.4	21.0	2034.7	800.0	19.0	-38.3	186.2	15.7	1.7	15.6	311.4	312.0	0.2	1.0	6. 2		
7.1	23.3	2305.8	775.0	17.5	-39.2	191.1	12.7	2.4	12.4	312.6	313.2	0.2	1.0	6.8	2.	
7.9	₹5• 6	2584.2	750.0	15.7	-40.3	199.9	11.7	4.0	11.0	313.7	314.2	0.1	1.0	7.4	3.	
9.7	28.0	2870.1	725.0	14.3	-41-1	210.0	10.8	5.4	. 9.4	315.2	315.7	0.1	1.0	7. 9	5.	
9.6	30 • 6	3165.2	700.0	13.1	-41.9	228.8	.8.2	6.2	5.4	317.0	317.5	0.1	1.0	B• 3	7.	
10.5	33.1	3469.2	675.0	11.1	+43.0	253.5	6.0	5+7	1.7	318.1	318.6	0.1	1.0	8. 5	9.	
11.5	35.6	3781.9	650.0	8.0	-18+5	255.4	6.5	6.3	1.6	318.2	322.9	1.4	13.9	8. 6	11.	
12.4	38. 3	4103.6	625.0	5.1	-16.7	243.9	8.2	7.4	3.6	318.5	323.9	1.7	18.9	8. 9	13.	
13,5	40.8	4435.2	600.0	2.9	-22.7	231.7	10.9	8.6	6.8	319.4	322.8	1.0	13.2	9.3	16.	
14.5	43.6	4777.6	575.0	-0.5	-8.3	234.1	11.2	9-1	6.6	319.9	330.9	3.6	55.4	9.9	16.	
15.7	46.6	5131-1	550.0	-3-8	-10.2	244.2	13.2	11.9	5.8	319.9	329.9	3, 2	61.1	10.5	21.	
16.9	49.6	5496.8	525.0	-6.8	-11.5	257.5	15.9	15.5	3. 4	320.6	330 • 1	3.0	69.3	11.3		
18.3	52.4	5875.8	500.0	-9.9	-17.8	274-0	15.7	15.7	-1.1	321.2	327.3	1.9	52.3	12.0	31.	
19.6	£5•5	6269.9	475.0	-12.4	-23.9	271.7	16.0	16.6	-0.5	322.8	320.7	1.2	37.7	12.6	30.	
20.8	56.6	6681.1	450.0	-14.6	-32.0	267.3	1708	17.8	0.8	324.9	327.1	0.6	23.4	13.4	- 40.	
22.1	61.9	7111.3	425.0	-17.9	-37.8	269.2	18.7	18.7	0. 3	325.9	327.2	0.3	15.6	14.3		
23,6	65.4	7562.1	400.0	-21.1	-27.9	264.0	18.9	18.8	2.0	327.6	330.9	1.0	54.3	15.6		
25.1	68.9	8035•4	375.0	-24.6	-33.4	266.1	17.6	17.6	1.2	329.0	331 • 1	0.6	43.7	17.0	52.	
26.8	72.5	8534.6	350.0	-28.1	-37.3	275.4	20.6	20.5	-1.9	330.9	332.5	0.4	40.5	18.6	56.	
28.7	76.5	9062.2	325.0	-32.3	-40.4	279.0	22.5	22.2	+3.5	332.2	333.4	0.3	43.5	20.5	60.	
30.4	e0. 6	9621.5	300.0	-36.9	-43.7	273.9	23.6	23.6	-1.6	333.3	334.3	0.3	48.9	22.5		
32.3	85.0	10217.2	275.0	-42-1	99.9	270.6	27.4	27.4	-0.3	334.3	999.9	99.9	999.9	25.0	67.	
34.4	89.4	10854.1	250.0	-48.0	59.9	273.4	28.2	28-1	-1.7	334.7	999.9	99.9	999.9	28. 2		
36.5	94.4	11540.0	225.0	-53.6	99.9	283.9	31.6	30.7	-7.6	336.3	999.9	99.9	999.9	31.5	73.	
39.0	99.5	12285.9	200.0	-60.2	99.9	285.2	34.6	33.4	-9.1	337.5	999.9	99.9	999.9	36.0	7.7	
41.6	105.3	13105.3	175.0	-67.0	99.9	282.8	40.0	39.0	-8.6	339.4	999.9	99.9	999.9	41.7	81.	
44.9	111.5	14038.0	150.0	-63.7	99.9	271.4	23.5	23.5	-0.6	360+3	999.9	99.9	99.9.9	47.4	84.	
48.5	118.7	15144.4	125.0	-66.9	99.9	273.2	27.5	27.4	-1.5	373.9	999.9	99.9	999.9	52.8	84.	
53.3	127.0	16474.4	100.0	-72.7	99.9	273.9	22.5	22.4	-1.5	387.4	999.9	99.9	999.9	59.5	85.	
59.6	137.0	18161.8	75.0	-72.7	99.9	248.7	8.7	8-1	3. 2	420.6	999.9	99.9	999.9	63, 6	85.	
69.6	148.5	20622.3	50.0	-60.9	99.9	5.1	5.6	-0.5	-5.6	500.0	999.9	99.9	999.9	65.5		
99.9	99. 9	99.9	.25.0	99.9	99.9	99.9	99.9	99.9	99.9	99. 9	999.9	99.9	999.9	999.9	399.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260 STEPHENVILLE. TEX

25 APRIL 1975

		•						515 G	MT					1	56 14	• 0	
	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE		
	WIN		GFM	MB	DG C	CG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	, KM	DG	
	0.0	9.6	399.0	964.0	23.0	15.3	180.0	6.2	0.0	6.2	300.€	331.6	11.5	62.0	0.0	0.	
	99.9	99. 7	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
	99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	666	
	⊙.3	10.9	526.9	950.0	22.8	16.7	181.4	16.1	0.4	16.1	302.0	336.1	12.7	68.6	0.4	356.	
	1.1	13.1	759.5	925.0	22.0	16.3	187.6	17.6	2.3	17.4	303.6	338.0	12.7	69.9	1.1	0.	
.*	1.9	15. +	998.5	900.0	22.4	15.3	205.2	16.5	7.0	15.0	306.3	339.9	12.3	64.3	1.8	6.	
	2.7	17.7	1243.8	875.0	21.4	14.6	223.0	15.8	10.5	11.5	307.7	340.9	12.0	65.0	2. 5	15.	
	3.5	20.2	1494.9	850.0	19.5	14.3	235.5	13.5	11.1	7.6	309.2	341.9	12.2	72.2	3.2	22.	
	4. 3	22.5	1751.8	825.0	17.5	13.6	245.9	9.6	8.7	3. 9	306.8	342.0	12.0	77.8	, 3. 7	28.	
	5,2	25. 1	2014.9	800.0	16.7	9. 3	273.2	8 • 1	8.0	-0.4	316.2	337.4	9.7	64.3	3. 9	33.	
	6.0	27.4	2284.9	775.0	14.6	6.0	293.0	8.8	8 • 1	-3.4	310.5	332.2	7.6	56.3	4.1	39.	
	6.9	30.1	2561.2	750.0	12.1	6.2	302.6	9.2	7•8	-5.0	310.8	333.5	6.0	67.2	4.2		٠
	7.9	32. a	2844.4	725.0	9.2	5.6	299.6	10.1	8.8	-5.0	310.6	333.2	7.9	76.2	4.3	52.	
	8.8	35.4	3135.0	700.0	7.4	-0.9	286.7	11.9	11.4	-3.4	311.3	326.4	5.1	55.7	4.6	56.	
	9.5	38.1	3433.0	675.0	5.2	-15.0	268.9	13.7	13.7	0.3	311.7	317.3	1.8	21.9	5. 1	64.	
	10.5	40.8	3741.7	650.6	6.2	-34.6	250,9	14.2	13.4	4+6	316.0	317-1	0.3	3.7	5.9	65.	
	11.5	43.6	4061.4	625.0	3.9	-37.3	241.6	12.4	11.0	5. 9	316.9	317.7	0.2	3.0	6.7	6.5	
	12.4	46• ó	4390.9	600.0	0.8	-38.5	245.2	11.0	10.0	4.6	317.1	317.9	0.2 0.2	3.3	7. 4 8. 1	65. 65.	
	13.5	45.0	4730.7	575.0	-2+1	-39.7	258.9	11.0	10.8	2.1	317.5	318•2 319•8	0.4	3.6 8.8	8. 8	67.	
	14.7	52.5	5081.9	550.C	-4.9	-33.2	270.0	11.8	11.8 15.9	0.0 -0.5	318.3 319.4	321.4	0.6	14.6	9. 6	69.	
	15.9	55.6	5445.8	525.0	+7+5	-30.0	271.7	15.9	19.3	0.9	320.7	321.3	0.2	4.4	10.9	72.	
	17.0	58.7	5823.4	500.0	-10-1	÷43.5	267.3	19.3 19.8	19.7	2.5	322.1	322.7	0.2	6.0	12.2		
	18.2	62.3	6216.7	475.0 450.0	-12.8 -16.1	-42.8 -49.3	262•8 253•9	21.7	21.4	3.8	323.0	323.3	0.1	3.8	13.9	74.	
	19.6 20.9	65.4	6626.6	425.0	-19-1	-50.9	265.2	21.6	21.5	1.8	324.4	324.7	0.1	4.1	15.6		
	11.	68. 9	7054.1 7502.1			-52.8	271.5	21.5	21.5	-0.5	325.4	325.6	0.1	4.5	17.2		
	22.2 23.6	72.3 76.0	7971.3	400.0 375.0	-22.8 -26.9	-55-1	270.5	23.1	23.1	-0.2	325.9	326.2	0.1	4.9	19.1	78.	
	25.1	2C.0	2464·4	350.0	-31.4	-57.8	269.5	26.5	26.5	0.2	326.4	326.5	G.0	5.4	21.2		
	26.6	83.5	8986.4	325.0	-34.4	-59.6	273.1	27.3	27.3	-1.5	329.1	329.3	0.0	5.7	23. 6		
	28.4	27.5	9541.1	300.0	-38.7	-62.4	273.2	30.5	30.4	-1.7	330.6	330.9	0.0	6.1	26.7		
	30.5	92.0	10133.4	275.0	-41.9	99.9	275.6	36.5	36.4	-3.6	334.5	999.9	99.9	999.9	30. 3	83.	
	33.5	56. ó	10772.1	250.0	-46.8	99.9	270.5	40.6	40.6	-0.3	336.6	999.9	99.9	999.9	37.9	86.	
	36.7	101.6	11461.9	225.0	-52.7	59.9	270.0	45.0	45.0	-0.0	337.7	999.9	99.9	999.9	45.4	86.	
	39.5	107.0	12212.9	200.0	-58.5	99.9	270.9	45.6	45.6	-0.7	340.1	999.9	99.9	999.9	53. 5	87.	
	42.3	112.6	13039.7	175.0	-64.7	99.9	271.8	46.5	46.5	-1.5	343.2	999.9	99.9	999.9	60.6	87.	
	45.5	119.0	13976.1	150.0	-64.4	99.9	267.4	22.4	22.4	1.0	359.2	999.9	99.9	- 999.9	67.8	88.	
	49.4	125.3	15090-1	125.0	-65.5	99.9	269.0	35.5	35.5	0.6	376.5	999.9	99.9	999.9	75. B	88.	
	53.6	133.7	16454.5	100.0	-64.7	99.9	283.2	14.2	13.8	-3.2	402.7	999.9	99.9	999.9	80.4	89.	
	58.6	141.7	18177-7	75.0	-69.5	99.9	269.4	13.4	13.4	0.1	427.3	999.9	99.9	999.9	84.0	88.	
	60.6	150.3	20679.6	50.0	-58.3	99.9	311.2	8.3	6.3	-5.5	506.2	999.9	99.9	995.9	86.4	89.	
	80.1	160.0	25092.0	25.0	-53.9	99.9	40.5	3.9	-2.5	-2.9	629.8	999.9	99. 9	999.9	85. 8	91.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETTEIN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 261 OEL RIG. TEX

160 14. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V COMP POT T E PUT T MX RTD RH RANGE AZ GM/KG PCT OG MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG. K DG K KM 0.0 6. 6 314.0 972.6 26.3 16.6 130.0 5.1 -3.9 3.3 303.€ 337.4 12.5 56.0 0.0 О. 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99.9 99.9 99.9 975.0 99.9 59.9 95.9 99.9 99.9 99. 9 99.9 999.9 99.9 999.9 995. 9 939. 99.9 99.9 0.8 10.5 522.5 950.0 27.6 15.1 133.2 14.0 -10.2 9.6 30€. € 338.3 11.4 46.3 0.6 304. 758.5 925.0 26.3 13.5 139.5 11.3 -7.3 307.6 337.1 10.6 45.4 1.2 312. 1.7 13.1 8.6 15.5 999.9 900.0 24.9 12.9 139.2 -5.7 308.6 337.8 47.2 1.7 314. 2.5 8.7 6.6 10.5 3.5 17.9 1246.5 875.0 23.0 12.5 152.8 6.9 -3.2 6. L 309.1 338.3 10.5 51.7 2.2 316. 4.4 20.3 1498.5 850.0 21.0 10.8 168.9 9.1 -1.8 8.9 309.4 336.5 9.6 52.0 2.6 320. 5.3 22.7 1756.3 825.0 19.3 7.7 169.4 7.4 -1.4 7.3 310.1 332.9 8.0 46.7 3.0 325. 310.4 1.855 39.6 3.3 326. 6.4 25.4 2020.1 800.0 17.3 3.4 144.2 2.6 -1.5 2.1 6. l -0.6 327.4 3.3 326. 7.4 27.9 2290.9 775.0 17.5 280.0 1.3 1.3 -0.2 313.3 4.7 29.2 8.5 30.6 2570.3 750.0 15.8 -0.5 254.2 4.0 3.0 1.1 314.4 329.1 4.9 32.9 3.2 350. 251.9 314.4 325.9 3.2 336. 9.7 33.3 2856.7 725.0 13.2 -4.4 5.2 4.9 1.6 3.8 29.1 10.9 35.9 3150.4 700.0 10.7 -7.9 265.1 7.2 7.2 0.6 314.7 324.0 3.0 26.1 3.1 343. 3452.3 675.0 12.0 38.8 9.2 -14.5 266.3 11.0 11.0 0. 7 316.2 322.1 1.8 17.1 3.0 354. 317.0 13.2 41.4 3763.6 650.0 261.6 13.4 13.2 322.1 16.5 3.2 11. 6.9 -16.7 2.0 1.6 4083.9 625.0 265.2 13.8 13.8 317.1 321.5 3. 6 27. 14.5 44. 1 3.9 -19.0 1.1 1.4 16.7 317.2 320.3 4.3 15.7 47.4 4413.4 600.0 0.9 -23.8 267.2 14.0 14.0 0.7 0.9 13.7 40-318.7 17.0 50.4 4754.0 575.0 -1.2 -25.3 268.0 14.0 14.0 0.5 321.5 0.8 13.9 5.1 49. 550.0 -3.7 271.0 14.7 -0.4 319.7 322.2 0.7 14.1 5.9 56. 18.3 53.4 5106.4 -27.2 14.7 -5.8 -28.8 264.6 7.0 19.6 5472.3 525.0 15.5 15.5 1.5 321.5 323.8 0.7 14.3 61. 56.4 8.0 20.9 5852.0 50C.0 322.1 324.1 0.6 14.5 59.6 -9.0 -31.1 269.7 14.7 14.7 0.1 54. 6247.7 475.0 -32.4 13.5 324.9 326.7 0.5 14.7 22.3 63.0 -10.6 269.3 · 13.5 9.1 68. 0.2 70. 23.7 6661.1 450.0 -35.0 258.6 13.5 13.2 325.5 327.1 0.4 15.0 10.1 66.4 -14.1 2.7 326.8 328.6 22.1 11.5 76. 25.2 70.0 7092.0 425.0 -17.3 -33.A 257.4 15.6 15.2 3.4 0.5 73.4 7543.5 400.0 -33.4 264.0 327.5 329.5 0.6 34.7 12.9 72. 26.7 -21.1 16.3 16.2 1.7 331.7 73. 28.3 77.3 8017.0 375.0 -24.0 -34.9 266.7 18.2 18.2 1.0 329.8 0.5 36.3 14.4 331.3 333.1 75. 30.0 e1.0 8516.7 350.0 -27.8 -35.7 270.7 23.7 23.7 -0.3 0.5 46.3 16.5 31.9 £5.1 9045.9 325.0 -31.2 -37.9 268.2 25.3 25.3 0.8 333.6 335.2 0.4 51.3 19. I 77. 33.7 89.3 9606.8 300.0 ~36.3 -41.0 268.6 27.1 27.1 0.7 334.2 335.5 0.3 61.2 22.2 79. 10203.6 275.0 335.4 999.9 99.9 999.9 25.6 35.8 94.0 -41.3 99.9 265.7 29.8 29.8 2.3 80. 250.0 335.9 999.9 99.9 999.9 38.0 98.6 10842.9 -47.2 99.9 257.7 28.7 28.0 6.1 29.5 80. 11531.8 999.9 999.9 40.3 103-6 225.0 -52.9 99.9 264.4 31.1 31.0 3.0 337.5 99.9 33.6 80. 12276.7 200.0 337.3 999.9 999.9 42.5 109.0 -60.3 99.9 264.5 32.0 31.6 3. 1 99.9 38. 2 81. 999.9 999.9 45.3 114.7 13097-5 175.0 -67.4 99.9 258.4 34.1 33.4 6.9 338.7 99.5 43. B 81. 999.9 150.0 999.9 50.6 48.5 121.0 14014.7 -70.2 99.9 276.3 34.7 34.5 -3.8 349.3 99.9 81. 52.3 125.0 271.4 31.3 376.6 999.9 999.9 57.2 128.0 15116.5 -65.4 99.9 31.3 -0.8 99.9 82. 999.9 57.0 135.8 16461.9 100.0 -70.2 99.9 267-1 13.4 12.6 -3.9 392.2 99.9 999.9 63.4 94. 62.4 143.7 75.0 250.0 425.6 999.9 99.9 999.9 66.3 18152.0 -70.3 99.9 2.1 2.0 0.7 94. 999.9 67.7 71.3 152.7 23606.2 50.0 -60.1 99.9 194.7 1.1 0.3 1.1 501.9 999.9 99.5 84.

-53.B

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 265 MIDLAND. TEX

25 APRIL 1975 517 GMT

151 17. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T.	MX RTO	RH	RANGE	AZ	
MEN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	11.6	873.0	911.6	15.4	-0.4	140.0	3.1	-2.0	2.4	296.8	308.3	4.1	34.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	9909	975.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	599.9	99.9	999.9	<b>999.</b> 9	939.	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999, 9	999.	
99.9	<b>99-9</b>	95.9	925.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	959.9	99.9	999.9	999.9	330.	
0.5	12.6	984.8	900.0	26.4	-2.0	999.9	99.9	99.9	99 <b>.</b> 9	309.2	320.2	3.7	15.3	999.9	999.	
1.3	14.7	1232.6	875.0	25.9	-2.3	999.9	99.9	99.9	99.9	311.3	322·3	3.7	15.4	999.9		
2.2	16.6	1486.4	850.0	24.1	-3.6	222.9	3.3	2.2	2.4	311.9	322.3	3.4	15.5	0.3		
3.2	18.9	1745.7	825.0	21.6	-5.4	235.4	4.4	3. 6	2.5	312.0	321.4	3 <sub>0.1</sub>	15.7	0.5		
4-1	20.9	2011.0	800.0	1,9+4	-7.1	236.5	5.5	4.6	3.0	312.2	320.7	2.8	15.8	0.7	29.	
5.0	23.3	2282.4	775.0	16.8	-8.2	247.2	6.8	6.3	2.6	312.2	320.3	2.7	17.2	1 • C	4 C •	
5.8	25.5	2560.2	750.0	14.3	-10.2	241.5	8.5	7.5	4.1	312.4	319.6	2.3	17.3	1.3	48.	
6.8	27.8	2844.8	725.0	12.4	-11.5	231-1	13.1	10.2	8 • 2	313.4	320.2	2, 2	17.6	2.0	50.	
7.5	30.2	3137.4	700.0	9.9	-13.1	233.1	13.7	10.9	8 • 2	313.7	319.9	2.0	18.3	2, 8	50.	
8.9	32.7	3437.8	675.0	7•2	-17.2	241.5	10.8	9.5	, 5 <b>∙</b> 2	313.9	318.6	1.5	15.6	3. 7	5£•	
16.0	35.3	3746.9	650.0	5 · 1	-19.0	249.2	9.5	8.9	3.4	314.8	319.1	1.3	15.5	4.3	54.	
11,2	37.7	4065.4	625.0	2.4	-17-5	259+4	11.4	11.2	2.1	315.4	320 • 3	1.5	21.3	4. 9	56•	
12.4	4C.3	4393.1	600.0	-1.1	-18.3	264.7	13.6	13.5	1.3	315.0	319.8	1.5	25.5	5.7	61.	
13.6	42.9	4730.3	575.0	-4.5	-20 • 1	265•8	15.6	15.5	1.2	314.9	319.2	1.3	26.3	6.8	04.	
14.9	45.8	5080.3	550.0	-4.9	-28.6	276.0	12.0	11.9	-1.3	318.3	320.5	0.6	13.5	7. A	68∙	
16.3	48.7	5444.1	525.0	-7.7	-30.1	281.6	11.5	11.3	-2.3	319.2	321.2	0.6	14.5	8, 6	71.	
17.7	51.5	5821.6	500 • 0	-10.0	-33.8	298.5	13.2	12.5	-4.2	320.8	322.4	0.4	12.2	9.5	75.	
19.0	54.6	6215.4	475.0	-12.6	-35.7	281.0	12.9	12.6	-2.6	322.3	323.7	0.4	12.4	10.4	78.	
20.4	57.6	6625.1	450.0	-16.2	-39.1	282.1	14.3	14.0	-3.0	322.8	324.0	0.3	13.0	11.3	60.	
21.7	€0.9	7052.2	425.0	-19.9	-40.4	277.9	15.2	15.0	-2.1	323.4	324.4	0.3	14.1	12.5	92.	
23.3	64 <sub>9</sub> 4	7498.6	400.0	-23.7	-43.3	272.3	16.8	16.8	-0.7	324,2	324.9	0.2	14.4	13.9	84.	
24.9	67.7	7967.0	375.0	-27.1	-44.8	269.9	19.5	19.5	0.0	325.6	326.3	0 • 2	16.8	15.7		
26.8	71.3	8460.0	35C • O	-31.0	-48.6	274.8	21.8	21.7	-1.8	320.6	327.3	0.1	15.7	16.1	85.	
29.0	75.3	8980.9	325.C	-35.3	-51.0	270.6	24.0	24.0	-0.2	328.0	328.4	0 • 1	18.0	21.0	86.	
30.9	79.3	9534.7	300•0	-38.7	99.9	269+0	30.2	30.2	0.5	330.8	999.9	99.9	999.9	24.0	87.	
33.1	63.6	10126.8	275.0	-43.4	99.9	270.7	34.5	34+5	+0.4	332.4	999•9	99•9	999.9	28.4	87.	
35.8	86.0	10760.9	250.0	-48.0	99.9	266•1	35•7	35.7	2.5	334.7	999.9	99.9	999.9	34.1	57.	
38.5	93.0	11446.0	225.0	-54.3	99.9	263.4	37.1	36 <b>• 9</b>	4, 3	335.2	999•9	99.9	999.9	39. 8	87.	
41.0	98.3	12168.2	200.0	-61.2	99.9	263.9	36.6	36•4	3.9	335.9	997.9	99.9	999,9	45.5	660	
43.3	104.0	13002.3	175.0	-68.2	99.9	270.0	37.4	37.4	-0.0	337.4	999.9	99.9	. 999.9	50.7	87.	
46.0	110.5	13942-1	150.0	-64.8	99.9	274.6	30.7	30.6	-2.5	358.5	999.9	99.9	999.9	56.5	87.	
50.2	117.5	15054.5	125.0	-65.4	99.9	255.1	25.2	24.3	ۥ 5	376.6	999.9	99•9	99 9° 5	62. 9	87.	
55.4	126.0	16393.7	100.0	-68.9	59.9	273.2	25.9	25.8	-1.4	394.7	999.9	99.9	999.9	70.9	86.	
62.1	136.0	15126-1	75.0	-69.8	99.9	232.2	6.6	5.2	4.0	426.7	993.9	9949	999.9	76.8	87.	
72.7	146.0	20605.6	50.0	-58.2	99.9	323.8	8.6	5.1	-7.0	506.3	599.9	99.9	999.9	80-1	97•	
91.3	157.3	25016.9	25.0	-54.0	99.9	8.2	4.7	-0.7	-4.6	629.8	999.9	99.9	999.9	80.2	90.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 304 HATTERAS. NC

### 25 APRIL 1975 515 GHT

GMT 158 18. 0

TIME	CNTCT	<b>FEIGHT</b>	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
WIN		GFM	BM	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.3	4.0	1017.6	20.3	16.3	230.0	7.2	5 <b>.</b> 5	4.6	293.5	323.6	11.6	78.0	0.0	0.	
0.5	5.7	155.1	1000.0	20.2	15.0	222.8	2:3.4	15.9	17.1	294.8	323.0	10.8	72.2	0.6	44.	
1.2	7. 5	373.6	975.0	19.0	14.1	224.0	23.4	16.3	16.8	295.7	323.2	10.4	72.9	1.5	44.	
2.0	S. 9	596.4	950.0	17.2	10.5	224.0	25.7	17.8	18.4	295.8	318.2	8.4	64.4	2.6	44.	
2.8	11.9	823.8	925.0	16.0	7.0	229.1	25.7	19.4	16.8	296.6	315.1	6.8	55.1	3.8	44.	
3.5	14. 2	1056.4	900.0	15.5	-0.8	236.0	23.6	20.0	12.5	298.0	309.4	4.0	32.9	4.9	46.	
. 4.2	16.2	1295.2	875.0	15.2	3.1	245.2	22.0	20.5	7.8	300.3	315.6	5.5	44.1	5. 9	49.	
5.0	16.5	154C.1	850.0	13.3	5.1	259.7	20.2	19.9	3.6	300.5	319.1	6.6	58.2	6.8	53.	
5.8	20. 9	1791.2	825.0	12.2	6.4	265.5	20.8	20.7	1.6	302.5	322.8	7.3	67.4	7.6	57.	
6.6	23.2	2048.3	800.0	9.7	6.7	267.2	21.4	21.4	1.0	302.5	323.7	7.7	81.6	8.5	6.0.	
7.4	25. 3	2311.6	775.0	7.6	6.5	273.5	19.2	19.1	-1.2	303.0	324.9	7.9	92.9	9.4	6.3.	
6.2	27.9	2581.6	750.0	6.4	4.5	274.1	17.6	17.6	-1.3	304.4	324.2	7.1	87.6	10-1	66.	
9• 2	30.6	2859.6	725.0	4.7	1.6	269.7	15.4	15.4	0.1	305.4	322.3	6.0	80.6	11.0	68.	
10-1	33. 2	3145.6	70.0.0	3.9	-0.8	265.2	12.6	12.6	1.1	307.4	322.3	5.2	71.2	11.0	69.	
11.0	35.8	344C-7	675.0	2.0	-5.4	262.3	13.1	12.9	1.8	308.4	319.6	3.8	58.1	12.4	70.	
11.9	38.4	3744.4	650.0	0.3	-11.3	255.8	15.3	14.8	3. 7	309.6	317.2	2.5	41.8	13.1	71.	
13.0	41-1	4058.1	625.0	-0.7	-25.1	251.7	17.4	16.5	5.4	311.7	314.3	0.5	13.6	14.2	71.	
14.0	43,9	4382.4	600.0	-3.3	-27.0	256.7	20.0	19.5	4.6	312.3	314.6	0.7	13.9	15.3	71.	
15.0	47.0	4717.3	575.0	-6.1	-12.0	261.6	19.3	19.1	2.8	313.1	321.3	2.7	63-1	16.6	72.	
16.1	50. C	5064.4	550.0	-8.0	-20-2	260.0	16.6	16.4	2.9	314.7	319.2	1.4	36.9	17.7	72.	
17.2	53.0	5423.4	525.0	-11.6	-21.2	259.3	17.7	17.3	3.3	314.6	318.8	1.3	44.6	18.8	73.	
18.3	56. 3	5756.9	500.0	-12.8	-57.7	263.7	17.8	17.7	1.9	317.4	317.5	0.0	1.0	19.9	73.	
19.5	59.4	6186.4	475.0	-15.0	-57 <sub>0</sub> 5	272.9	16.6	16.6	-0.8	319.4	319.5	0.0	1.3	21.3	74.	
20.8	65.8	6593.5	450.0	-17.7	-57.7	277.4	16.6	16.4	-2.1	320.9	321.0	0.0	1.6	22.4	75.	
55.3	€6. l	7017.9	425.0	-21.4	-58.4	272.4	18.2	18.2	-0.7	321.5	321.6	0.0	2.0	23. 8	760	
23.6	69.9	7461.5	400.0	-25.1	-59.6	266.0	17.9	17.8	0.6	322.2	322.4	0.0	2.4	25. 3	77.	
25.0	73.6	7927.3	375.0	-28.5	+60.8	270.2	16.9	16.9	-0.0	323.8	323.9	0.0	2.7	26.7	78.	
26.71	77.7	8417.8	350.0	-32.3	-62.5	267.6	16.0	16.0	0.7	325.1	325.2	0.0	3. 2	28.3	78.	
28.6	61.7	8936.4	325.0	-36.3	-64.5	563.8	17.6	17.5	1.9	326.6	326.7	0.0	3.6	30.1	79.	
30.3	85.9	9486.6	300.0	-40.5	99.9	252.0	17.6	16.7	5• ક	328.4	999.9	99.9	995.9	32.1	79.	
32.1	90.4	10072.9	275.0	-45.6	99.9	244.9	16.9	15.3	7.2	329.3	999.9	99.9	999.9	34.0	78.	
34.1	95.3	10700,2	250.0	-51.3	99.9	243.5	16.3	14.5	7.3	329.6	999.9	99.9	999.9	35.8	77.	
36.2	100.4	11375.3	225.0	-57.3	99.9	243.5	17.0	15.2	7.6	330.7	999.9	99. 9	999.9	37.7	77,	
38.4	106.0	12111.6	200.0	-62.8	99.9	257.6	14.9	14.5	3.2	333.3	999.9	99.9	999.9	39.9	76.	
40.7	112.0	12926.5	175.0	-66.6	99.9	275.9	21.2	21.1	-2.2	340.0	999.9	99.9	999.9	42.1	77.	
43.4	I 1 8. 5	13964.6	150.0	-61.6	99.9	285.1	23.8	23.0	-6.2	364.0	999.9	99.9	999.9	45.6	79.	
47.0	125.8	14999.6	125.0	-60.4	99.9	289-1	31.0	29.3	-10.1	385.7	999.9	99.9	999.9	51.0	81.	
51.4	134.0	16372.0	100.0	-64.4	99.9	279.5	18.2	17.9	-3.0	403.4	999.9	99.9	999.9	56.1	85.	
56.7	141.7	18119.8	75.0	-66.8	99.9	257-1	8.7	8.5	1.9	432.8	999.9	99.9	999.9	59. 6	85.	
64.6	150.0	20605-1	50.0	-61.1	59.9	50.8	2.8	-2.2	-1.8	499.5	999.9	99.9	999.9	60.7	87.	
76.6	158.7	25002.5	25.0	-53.5	99.9	54.4	0.5	-0.5	0.0	631.3	999.9	99.9	999.9	59.2	88•	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETHEEN 6 AND 10 DEG \* BY TENF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATICN NO. 311 ATHENS. GA

### 25 APRIL 1975 600 GMT

160

15.

MX RTO DH RANGE AZ TIME CNTCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E PUT T GFM BM DG C DG C DG M/SEC M/SEC M/SE C DG K DG K GM/KG PCT KM DG MIN 87.0 9. 3 7.1 246.0 987.5 18.9 16.7 210.0 3.1 1.5 2.7 294.7 326.5 12.2 0.0 0. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.7 99.9 99.9 999.9 99.9 999.9 999.9 999. 975.0 18.5 15.6 24503 15.3 13.9 2.4 295.3 325.5 11.6 83.6 0.3 33. 0.4 8.3 355.7 15.9 242.6 17.1 15.2 7. 9 298.1 330.0 12.1 82.0 0. 9 54. 1.2 10.5 579.6 950.0 19.0 2.1 12. ? **808.9** 925.0 17.5 15.1 244.8 18.0 16.3 7.7 298.7 329.9 11.8 85.9 1.9 59. 900.0 13.2 252.6 15.4 299.8 328.4 10.7 81.2 2. 7 61. 2.9 15.0 1043.1 16.4 16.1 4.8 3.7 17.1 1283.6 875.0 10.0 10.0 256.5 12.7 12.4 3.0 301.5 325.7 8.9 67.A 3. 4 65. 4.6 19.5 1529.9 850.0 14.4 8.7 251.9 11.3 10.8 3.5 302.3 325.3 8.4 68.9 4.0 66. 5.5 21.5 1781.7 825.0 12.6 8.1 251.8 8.8 8.4 2.8 303.0 325.7 8.3 74.0 4.6 67. 24.3 2039.6 800.0 10.4 7.5 253.6 8.2 7.9 2.3 303.4 325.9 8.2 92.0 5. 1 57. 6.5 7.5 2303.8 775.0 8.6 6.7 255.9 7.4 7.2 1.0 304+1 326.3 8.0 67.6 5. 5 68. 26.6 306.1 322.0 61.7 69. 29.2 2575.2 750.0 1.2 281.2 5.3 5.2 -1.0 5.6 5.9 8.6 8.1 57.9 71. 9.5 21.5 2854.6 725.0 6.3 -1.4 288.8 5.2 4.9 -1.7 307.0 320.8 4.8 6. 1 317.9 32.0 6.4 72. -9.3 -1.7 309.7 2.7 10.5 34.4 3142.4 700.0 6.2 281.3 8.4 8.3 -18.1 7.1 75. 311.6 315.9 11.6 37.0 3439.6 **675.0** 5.2 278.7 12.6 12.4 -1.9 1 . 4 16.6 -20.1 312.1 315.9 16.8 7.8 77. 3746.2 65C.Q 275.2 13.7 -1.2 162 12.6 39. 5 2.6 13.6 17.0 79. 4061.8 625.0 -22.0 275.3 13.9 13.8 -1.5 312.8 316.2 1.0 8.8 13.7 42.4 0.2 -23.5 284.7 -3.7 314.1 317.2 1.0 17.1 9.7 81. 45.3 4367.7 600.0 -1.8 14.7 14.2 15.0 10.8 314.8 318.3 22.6 84. 46.3 4724.5 575.0 -4.5 -22.6 289.1 16.8 15.9 -5.5 1.1 16.2 -7.8 5072.3 550.0 -23.5 318.2 26.9 12.0 87. 51.0 288.2 17.4 -5.7 314.9 1.0 17.5 18.3 -10.7 -33.6 317.0 13.2 13.2 89. 18.7 54.1 5431.9 525.0 288.3 16.1 15.3 -5.1 315.6 0.4 317.7 319.0 13.3 90. 20.1 57.1 5805.1 500.0 -12.6 -35.0 267.5 14.1 13.4 -4.2 0.4 14.4 21.4 60.4 6197.2 475.0 -13.9 -36.0 283.5 1403 13.9 -3.3 320.7 322.0 0.4 13.4 15.5 91. 35. -17.0 -38.3 276.8 321.8 322.9 13.7 22.5 63.9 6605.3 45D.0 12.8 12.7 -1.5 0.3 16.5 7030.8 -41.3 272.4 322.0 322.9 14.0 17.9 92. 24.3 67.1 425.0 -21.0 13.0 -0.5 0.2 13.0 92. 25.8 70.6 7475.6 -24.7 -44.2 269.5 14.6 24.6 0.1 322.€ 323.5 0.2 14.3 19.0 400.0 -47.4 92. 27.3 7941.3 375.0 323.3 323.9 0.1 14.7 20<sub>0</sub>5 74.3 -28.9 268.8 18.1 18.1 0.4 -50.8 92. 29.0 78.2 8430.5 350.0 -33.3 271.8 18.8 18.8 -0.6 323.8 324.2 0.1 15.1 22.2 276.0 62.0 -37.1 -53.9 325.4 325.7 0.1 15.4 24.3 92. 36.7 8947.1 325.0 21.5 21.4 -2.2 -40.9 21.2 -4.0 999.9 99.9 999.9 32.7 9496.4 300.0 99.9 280.9 20.8 327.7 26.9 43. 26. 3 275.0 22.4 999.9 99.9 999.9 29.9 94. 90.5 10082.8 284.9 21.6 -5.7 329.7 34.5 -45.3 99.9 37.2 10712.4 293.7 25.9 23.8 -10.4 331.3 999.9 99.9 999.9 33.1 95. 95.3 250.0 -50.3 99.9 -11.6 39.5 100.2 11391.0 225.0 -56.1 99.9 298.4 24.3 21.3 332.5 999.9 99.9 999.9 36. 3 97. 42.0 105.4 12131.0 200.0 -61.3 303.9 30.6 25.4 -17.1 335.7 999.9 99.9 999.9 40-1 99-59.9 111.2 12951.6 175.0 99.9 23.5 -18.9 342.4 999.9 99.9 999.9 45. 2 103. 45.1 ~65<sub>0</sub>2 308.8 30.2 -7.3 999.9 99.9 999.9 51.2 105. 48.6 117.5 13887.3 150.0 -63.6 99.9 284.0 30.1 29.3 360.5 999.9 99.9 999.9 58.0 104. 52.7 124.8 15014.9 125.0 -61.9 99.9 275.7 29.3 29.2 -2.9 383.0 400.5 999.9 99.9 999.9 636 3 103. 57.2 122.7 13.2 3.6 16368.9 100.0 -65.9 99.9 254.9 13.7 63.0 18125.4 75.0 99.9 281.3 -1.6 429.3 999.9 99.9 999.9 67.4 103. 141.3 -68.5 8.3 8.2 71.1 151.0 20603.7 7. 3 496.3 999.9 99.9 999.9 69.4 103. - e 2 . 5 99.9 280.0 7.4 -1.3 50.0 -4.3 83.5 161.5 74975-1 -54.2 99.9 80.8 4.4 -G.7 629.0 999.9 99.9 99 9**.** 9 68.2 194. 25.0

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAYE BEEN INTERPOLATED

<sup>..</sup> BY SPEEC PEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 317 GREENSBORG. NC

147 55. 0 U COMP V CCMP PCT T E POT T MX RTO RH RANGE 42 TIME CATCT PEIGHT PRES TEMP DEW PT DIR SPEED DG K GG K GM/KG PCT KM DG GFM MB DG C DG C DG M/SEC M/SEC M/SEC MIN 297.3 329.3 12.1 75.0 0. 0 0. 0.0 275.0 982.8 21.3 16.5 210.0 5,1 2.5 4.4 7.9 999.9 999.7 999.9 999. 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9. 99.9 322.0 61.9 0.3 41. 344.1 297.1 9.7 0.3 P. 6 975.0 20.5 12.9 229.4 11.9 9.0 7.7 297.8 323.8 9.8 66.6 0.7 47. 1.0 10.8 568.3 950.0 19.0 12.7 236.1 14.6 12.1 8.1 73.6 1 . 5 55. 1202 797.1 925.0 17.1 12.4 246.1 18.5 16.9 7.5 298.1 324 .4 9.8 7.09 1031.3 900.0 11.5 254.2 20.7 19.9 5. 6 299.7 325.4 9.5 72.6 2.5 61. 2.7 15.5 16.4 70.5 3.3 17.9 1271.0 875.0 15.4 10.0 258.5 16.1 15.8 3. 2 366.9 325.1 8.9 65. 3.4 301.4 324.3 268.1 8.4 73.2 4.0 68. 4.3 20.3 1516.5 850.0 13.5 9.8 13.6 13.6 0.4 279.2 16.4 -2.6 301.9 325.6 8.7 83.6 4.7 72. 5.1 22.7 1767.6 825.0 11.5 8.8 16.6 290.6 302.6 323.6 7.7 80.6 5.5 774 2024.7 800.0 17.9 16.7 -6.3 6.0 25.3 9.8 6.6 297.8 303.6 320.8 6.1 68.4 6. J 83. 7.0 27.5 2288.2 775.0 2.9 17.9 15.9 -8.4 804 301.8 -9.6 30491 319.0 5.2 65.4 7.2 8 ª . 30.4 2558.5 750.0 0.3 18.3 15.6 7.9 6.3 -1.2 301.8 304.7 318.5 68.0 8. 1 72. 15.8 16.0 -9.9 4.8 8.9 33.2 2835.8 725.0 442 3120.4 700.0 0.9 299.2 16.3 -9.1 305.3 321.9 5.9 94.0 9.0 94. 35.8 1.8 .18.7 9.8 306.2 321.7 96.3 10. Q 26. 30.5 3413.1 675.C -0.1 -0.6 299.3 19.2 16.8 -9.4 5.4 10.9 3715.0 650.0 -1.0 -40.6 303.3 19.6 16.4 -10.8 307.8 308.4 0.2 3.1 11.1 100. 11.5 41.3 -2.9 309.4 314.9 36.1 12.3 103. 12.9 44.2 4026.8 625.0 -16.0 298.9 17.8 15.6 -6.6 1.8 311.7 1.0 13.4 194. 600.0 289.4 14.5 -5.1 311.5 0.0 14.0 47.3 4349.7 -4.0 -52.3 15.4 4686.5 288.1 14.4 -4.7 316.8 317.1 0.1 800 14.3 104. 15.0 50.3 575.0 -2.7 -51.6 15.2 1 . 1 15.2 104. 16.1 53.3 5037.1 550.0 -5.1 -52.1 295.2 15.2 13.0 -6.5 318.0 318.2 0.1 525.0 17.3 5400.7 -7.7 -51.9 293.4 17.0 15.6 -6.8 319.2 317.4 0.1 200 16. 4 135. 56.3 18.4 5777.5 500.0 -11.1 -52.3 290.7 21.4 20.0 -7,5 319.4 319.7 0.1 1.8 17.6 106. 55.6 6168.4 475.0 -14.5 -53.0 290.8 21.4 20.0 -7.5 320.0 323.2 0.1 2.1 19.0 106. 19.4 63.0 320.9 321.1 20.5 106. 20.6 66.3 6575.2 450.0 -17.8 -54.0 288.0 20.6 19.6 -6.4 0.1 2.5 321.4 321.6 0.0 2.9 21.8 100. 21.7 70.0 6999.4 425.0 -21.4 -55.4 281.5 20.7 20.2 -4.1 7443.6 400.0 -24.7 -56.8 283.0 19.2 18.7 -4.3 322.8 323.0 0.0 3.2 23.3 106. 22.9 73.5 24.2 77.5 323.7 0.0 3.7 24.8 106. 7909.4 375.0 -58.8 290.9 20.0 18.7 -7.1 32365 -28.7 8399.4 350.0 290.B 17.9 16.6 -6.4 324.6 324.7 0.0 4.1 26.5 100. 25.8 81.3 -32.7 -60.9 325.0 28.6 106. 27.4 85.5 8917.6 -36.4 -62.9 280.0 21.4 21.0 -3.7 326.5 326.6 0.0 4.5 999.9 30.6 105. 29.0 9467.2 300.0 269.9 327.9 999.9 99.9 89.5 -40.8 59.9 21.8 21.8 0.0 275.0 -45.4 999.9 999.9 32.8 104. 30.3 94.6 10053.5 99.9 267.0 26.8 26.7 1.4 329.5 99.9 999.9 999.9 35.4 103. 72.5 99.4 10682.5 250.0 --50.4 99.9 263.3 24.6 24.5 2.3 331.1 99.9 11363.3 225.0 -55.1 99.9 260.1 28.3 27.9 4.9 334.1 999.9 99.9 999.9 37.9 101. 34.2 1 C4. 5 28.6 336.1 999.9 99.9 999.9 41.3 100. 36.2 110.2 12103.8 200.0 -61.1 99.9 267.7 28.7 1.1 283.8 341.5 999.9 99.9 999.9 45.5 99. 12920.7 175.0 -65.7 99.9 27.0 27.0 -6.6 38.9 116.3 284.7 999.9 99.9 999.9 49.9 100. 13861.3 150.0 -63.4 99.4 29.5 28.5 -7.5 360.9 41.7 123.9 999.9 99.9 999.9 56.1 100. 14987.0 99.9 279.5 382.6 45.5 130.5 125.0 -62.1 28.8 28.4 -4.7 50.2 999.9 99.9 999.9 63.1 iG1. 139.3 16370.0 100.0 -63.3 99.9 276.0 19.0 18.9 -2.0 405.5 997.9 99.9 999.9 66.8 191. 99.9 277.6 -0.0 435.0 56.8 146.3 18119.0 75.0 #65·8 5.9 5.9 99.9 99.9 999.9 99.5 999.9 999.9 999. 99. 9 99.9 50.0 99.9 99.9 99.9 99.9 99.9 99.9

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<sup>.</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327 NASHVILLE, TENN

25 APRIL 1975 520 GMT

0.0 5.5 187.0 989.4 21.0 17.6 180.0 5.1 0.0 5.1 296.8 330.7 13.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	142 766 0
TIME CATCT HEIGHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP PCT T E POT T MX RTD MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG DG C DG C DG M/SEC M/SEC DG K DG K DG K GM/KG DG C DG C DG C DG M/SEC M/SEC DG K DG K DG K GM/KG DG C DG C DG C DG C DG C DG C DG C DG	
MIN GFM MB DG C DG C DG M/SEC M/SEC DG K DG K GM/KG 0.0 5.5 180.0 989.4 21.0 17.6 180.0 5.1 0.0 5.1 296.8 330.7 13.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	
0.0 5.5 187.0 989.4 21.0 17.6 180.0 5.1 0.0 5.1 296.8 330.7 13.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	PCT KY DG
99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.	PCI K4 DG
99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.	81.0 0.0 0.
1.2 8.9 534.4 950.0 21.8 17.1 207.8 17.5 8.1 15.5 301.1 335.9 13.1 1.9 10.9 765.9 925.0 20.6 15.7 220.7 21.2 13.9 16.1 302.1 335.1 12.3 2.7 13.2 1002.9 900.0 19.1 14.6 229.3 22.3 16.9 14.5 302.8 334.0 11.8 3.5 15.4 1245.1 875.0 16.9 84.5 230.9 22.2 17.2 14.0 303.0 335.3 12.0 4.3 17.6 1492.1 850.0 14.7 13.5 232.2 22.2 17.5 13.6 303.1 334.3 11.5 5.1 20.1 1744.5 825.6 12.7 11.5 232.6 19.6 15.6 11.9 303.4 331.9 10.4 5.9 22.3 20.3 1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 332.8 9.7 6.5 24.8 2268.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.6 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.8 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	999.9 999.9 999.
1.9 10.9 765.9 925.0 20.6 15.7 220.7 21.2 13.9 16.1 302.1 335.1 12.3 2.7 13.2 1002.9 900.0 19.1 14.6 229.3 22.3 16.9 14.5 302.6 334.0 11.8 3.5 15.4 1245.1 875.0 16.9 84.5 230.9 22.2 17.2 14.0 303.0 335.3 12.0 4.3 17.6 1492.1 850.0 14.7 13.5 232.2 22.2 17.5 13.6 303.1 334.3 11.5 5.1 20.1 1744.5 825.6 12.7 11.5 232.6 19.6 15.6 11.9 303.4 331.9 10.4 5.9 22.3 2003.1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 337.8 9.7 6.5 24.8 2256.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.6 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.6 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	74.1 0.4 358.
1.9 10.9 765.9 925.0 20.6 15.7 220.7 21.2 13.9 16.1 302.1 335.1 12.3 2.7 13.2 1002.9 900.0 19.1 14.6 229.3 22.3 16.9 14.5 302.8 334.0 11.8 3.5 15.4 1245.1 875.0 16.9 84.5 230.9 22.2 17.2 14.0 303.0 335.3 12.0 4.3 17.6 1492.1 850.0 14.7 13.5 232.2 22.2 17.5 13.6 303.1 334.3 11.5 5.1 20.1 1744.5 825.6 12.7 11.5 232.6 19.6 15.6 11.9 303.4 331.9 10.4 5.9 22.3 2003.1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 337.8 9.7 6.5 24.8 2258.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.8 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.6 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	74.7 0.9 13.
3.5 15.4 1245.1 875.0 16.9 84.5 230.9 22.2 17.2 14.0 303.0 335.3 12.0 4.3 17.6 1492.1 850.0 14.7 13.5 232.2 22.2 17.5 13.6 303.1 334.3 11.5 5.1 20.1 1744.5 825.0 12.7 11.5 232.6 19.6 15.6 11.9 303.4 331.9 10.4 5.9 22.3 2003.1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 337.8 9.7 6.5 24.8 2258.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.8 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.8 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	73.5 1.7 23.
4.3 17.6 1492.1 850.0 14.7 13.5 232.2 22.2 17.5 13.6 303.1 334.3 11.5 5.1 20.1 1744.5 825.6 12.7 11.5 232.6 19.6 15.6 11.9 303.4 331.9 10.4 5.9 22.3 2003.1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 332.8 9.7 6.8 24.8 2268.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.6 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 22.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.8 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	75.2 2.7 32.
5.1 20.1 1744.5 825.C 12.7 11.5 232.6 19.6 15.6 11.9 303.4 331.9 10.4 5.9 22.3 2003.1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 337.8 9.7 6.5 24.8 2258.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.6 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 94.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.6 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	85.4 3.8 37.
5.9 22.3 2003.1 800.0 11.2 9.9 236.3 17.0 14.2 9.4 304.3 337.8 9.7 6.5 24.8 2258.1 775.0 9.2 8.0 233.0 14.4 11.5 8.7 304.6 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.6 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	92.4 4.8 40.
6.5 24.8 2258.1 775.0 9.2 8.0 233.0 14.6 11.5 8.7 304.6 329.0 8.7 7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2619.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.6 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	92.6 5.9 42.
7.6 27.1 2539.8 750.0 7.6 6.4 230.2 12.9 9.9 8.3 305.9 328.5 8.1 8.7 29.7 2819.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.8 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.8 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	91.9 6.7 44.
8.7 29.7 2619.2 725.0 6.0 2.9 236.4 12.6 10.5 6.9 306.6 325.3 6.5 9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 308.6 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	92.4 7.5 45.
9.7 32.3 3106.4 700.0 5.2 -5.0 245.8 15.3 13.9 6.3 368.8 320.0 3.8 10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	91.7 . 6.2 45.
10.7 35.1 3403.1 675.0 4.6 -15.8 249.4 18.0 16.9 6.4 311.0 316.2 1.7 11.8 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	80.3 8.9 46.
11.6 37.7 3709.1 650.0 2.1 -21.1 252.0 20.9 19.9 6.5 311.5 315.0 1.1	48.1 9.8 47.
	21.1 10.7 49.
	16.0 11.7 52.
12.8 40.5 4024.3 625.0 -0.2 -18.0 252.6 22.9 21.9 6.9 312.3 317.0 1.5	24.7 13.1 54.
13.8 43.3 4349.2 600.0 -2.9 -18.5 250.5 25.3 23.8 8.4 312.9 317.6 1.5	28.9 14.5 55.
15.0 46.3 4685.2 575.0 -0.9 -22.2 249.8 28.5 26.8 9.8 314.4 318.0 1.1	24.3 16.4 57.
16.1 49.4 5033.1 550.0 -7.7 -17.8 251.1 29.4 27.8 9.5 315.2 320.6 1.7	43.8 18.5 56.
17.4 52.4 5393.6 525.0 -10.2 -18.8 259.5 29.1 28.7 5.3 316.3 321.6 1.7	49.4 20.5 60.
18.7 55.6 5767:9 500:0 -12.3 -32.7 261:2 29:6 29:3 4:5 318:0 319:7 0:5	17.0 22.6 62.
19.9 58.9 6158.2 475.0 -14.2 -37.3 262.0 26.3 26.1 3.6 320.4 321.6 0.3	12.2 24.7 64.
21.4 62.4 6566.3 450.0 -17.0 -60.7 261.7 27.6 27.3 4.0 321.8 321.8 0.0	1.0 26.9 65.
22.8 66.0 6991.8 425.0 -20.3 -56.6 259.0 30.C 29.5 5.7 322.9 323.1 0.0	2.3 29.2 67.
20.2 69.8 7437.5 400.0 -23.7 -52.2 261.3 33.4 33.0 5.0 324.2 324.5 0.1	5.5 31.9 68.
25.7 73.5 7906.4 375.0 -26.7 -56.7 273.5 29.4 29.3 -1.8 326.2 325.5 0.1	6.6 34.6 69.
27:1 77:7 8400:2 350:0 -30:8 -42:2 276:8 32:9 32:7 -3:9 327:2 326:1 0:3	31.2 36.8 71.
28.8 82.0 8921.7 325.0 -35.3 -47.5 280.8 30.5 29.9 -5.7 327.9 328.5 0.2	27.4 39.9 73.
30.4 66.4 9474.0 300.0 -40.2 99.9 277.3 32.2 32.0 -4.1 328.6 999.9 99.9 9	999.9 42.9 75.
	999.9 45.4 77.
34.3 96.4 10690.7 250.0 -50.2 99.9 281.0 33.0 32.4 -6.3 331.4 999.9 99.9 9	999.9 49.3 78.
	999.9 53.5 50.
38.2 108.0 12104.9 200.0 -63.2 99.9 288.0 44.7 42.5 -13.8 332.6 999.9 99.9 9	999.9 56.1 82.
40.2 114.5 12918.1 175.0 -65.5 99.9 291.3 33.9 31.5 -12.3 341.8 999.9 99.9 9	999.9 62.3 64.
43.2 121.7 13847.8 150.0 -66.1 99.9 268.3 34.1 34.1 1.0 356.3 999.9 99.9 9	999.9 67.7 86.
	999.9 75.1 86.
	999.9 81.2 87.
99.9 99.9 99.9 75.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	999.9 999.9 999.
	999.9 999.9 999.
99.9 99.9 99.9 25.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	999.9 999.9 999.

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG + BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED ++ BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE ROCK. ARK

						515 G	MT					1:	54 40.			
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	PH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.9	79.0	1002.7	24.4	16.3	200.0	-5•1	1.7	4.8	299.1	334.5	13.4	69.0	0.0	0.	
0.1	6.1	102.9	1000.0	25.0	18.6	203.0	18.5	7.2	17.0	300.0	336.7	13.8	66.4	0.1	26.	
0,8	e. 5	325.4	975.0	23.8	18.1	204.2	17.4	7.1	15.9	301.0	337.2	13.6	70.7	0.4	24.	
1.5	10.8	552.5	950.0	21.7	17.5	210.5	17.0	8.6	14.7	301.0	336.8	13.4	77.2	1.2	25.	
2.4	13.3	784.1	925.0	20.3	17.3	222.8	20.0	13.6	14.7	301.9	338.3	13.6	92.8	2. i	30.	
3.2	15.7	1020.9	900•0	18.8	16.0	230.2	21.3	16.4	13.6	302.6	337.2	12.8	83.7	_3. l	36.	
4.0	18. 2	1262.9	875.0	17.4	14.7	235.8	19.7	16.3	11-1	303.5	336.3	12.1	83.7	<b>3.</b> 0	40.	
4.9	20.5	1510.7	850.0	15.9	12.2	247.8	17.4	16.1	6.6	304.3	333.3	10.6	78.7	5.0	44.	
5+9	23.2	1764.2	825.0	14.3	10.9	259.8	10.0	15.8	2.6	305.0	332.6	10.0	80.3	. ∓a, 9	49.	
6. 6	25.8	2023.9	800.0	12.8	8.4	267.3	17.5	17.4	0.8	305.9	330 • 1	8.7	74.7	5. 7	54.	
7.8	28.4	2290.4	775.0	11.0	6.4	276.7	16.9	16.8	-2.0	306.6	328.6	7.8	73.3	₩• 4	58.	
8.7	31.2	2563.7	750.0	9+5	4.1	278.8	17.5	17.3	-2.7	307.8	327.3	6.9	69.4	∴. 2	63,	
9.7	34.1	2843.9	725.0	6.8	0.7	271.2	18.0	18.0	-0.4	307.7	323.7	5.6	65.1	9. 1	67.	
10.6	36.8	3131.5	700.0	4.4	-1.4	254-1	19.3	18.5	5.3	308.0	322.3	4.9	65.7	19.0	69.	
. 11.4	39.8	3427.4	675+0	3.5	-6.1	241.4	20.9	18.3	10.0	310.1	320.8	3 <sub>0</sub> 6	49.2	11.0	68.	
12.3	42.5	3732.7	650.0	1.5	-7.7	233.7	23.8	19.2	14.1	311.1	321.0	3.3	50.2	12. 3	67.	
13.3	45.6	4047.6	625.0	-0.7	-9.7	232.1	30.3	23.9	18.6	312.0	321.0	2.9	50.5	13.6	65.	
14.1	46.6	4372.3	600.0	-3.2	-14.4	233,2	32.5	26.0	19.5	312.6	319.1	2.1	41.5	15. 2	54.	
14.9	51.6	4707.3	575.0	-6.2	-15.4	235.2	31.4	25.7	17.9	313.0	319.2	2.0	48.1	16. T	63.	
15.8	55. )	5053.0	550.0	-9.7	-16.5	236.9	32.3	27.1	17.6	312.7	318.7	1.9	<b>57.</b> 5	18.4	63.	
16.6	5e <b>.</b> 1	5411.0	525.0	-10.8	-10-8	235.3	33.7	27.7	19.2	315.9	325.7	J. 2	99•6	20.1	62.	
17.5	61.6	5786.3	500.0	-12.0	-12-1	234.7	30.7	25•1	17.7	318.7	328 • 2	3.0	99.4	22. 3	61.	
19.0	65. 1	6176.8	475.0	-15.5	-16-1	237.5	33.5	28.3	10.0	319.1	326.3	2.3	94.9	24. 6	61.	
20.6	68.7	6582.2	450.0	-18.9	-20-4	238.3	40.5	34.5	21.3	319.6	325.0	1.7	88.3	28. 1	61.	
22.0	72.3	7006.6	425.0	-21-1	-23.5	231.7	31.3	24.6	19.4	322.1	326.5	1.3	80.5	31. 3	60.	
23.5	76 · 3	7451.8	400.0	-24.4	-27 <b>.</b> [	236.9	33.1	27.8	10. 1	323.3	326.8	1.0	78 <sub>7</sub> 2	33.8	59.	
25.0	80.4	7919-2	375.0	-27.4	-29.8	250.7	39.3	37.1	13.0	325.4	328 • 3	0.9	79.8	37• 5	60,	
26.3	84.5	8414.4	350.0	-29.6	-31.9	264.7	33.5	33,4	3. 1	328.9	331.5	C.7	79.5	40.2	61.	
27.8	88. 9	8939.1	325.0	-33.6	-36.6	293.5	18.0	16.5	-7 <b>.</b> 2	330.3	332•1	0.5	74·5	42. 5	63.	
29.6	93.5	9495.5	300.0	-38·5	-42.0	278.4	20.1	19.9	-2.9	331 • 1	332 • 2	0.3	69.3	43.4	65.	
31.3	98.2	10087.06	275.0	-43.2	99•9	283.6	26.9	26.2	-6. 3	332.7	999.9	99.9	999.9	44.8	6.7∙	
33.3	1.03.0	10721.8	250.0	-48.6	99.9	277.2	23.9	23.7	-3.0	333.8	999.9	99.9	999.9	47. 2	56.	
35.0	108.5	11405.0	225.0	-54.8	99.9	275.6	26•0	25.9	-2.4	334.5	999:9	99.9	999.9	50.1	7G.	
37.2	114-3	12145.8	200.0	-61.9	99.9	272.2	29•2	29.2	-1. i	334, e	999•9	99.9	999.9	53. 5	71.	
40.1	120.5	12961.4	175.0	-67.1	99.9	270.7	31.6	31.8	-0.4	339.2	999.9	99.9	999.9	58• 4	73.	
43.1	127.0	13889.8	150.0	-64.3	99.9	275.7	42.3	42.0	-4.2	359.4	999.9	99.9	. 9996 9	64.6	75.	
47.0	134.3	15026.4	125.0	-60.0	99.9	286.0	20.3	19.6	-5.5	386.3	999.9	99.9	999. 9	71.7	78.	
51.9	141.0	16396.0	100+0	-65.7	99•9	255.7	19.2	18.6	4.7	400.9	999.9	99.9	999.9	76.3	70.	
58.9	148.3	18135.2	75.0	-69.8	99.9	277.9	2.2	2.2	-0. J	426.7	999.9	99.9	999.9	82.3	76.	
69.7	155.3	20618.9	50.0	-60.5	99.9	249.1	3.9	3.6	1.4	501.0	999.9	99.9	999.9	84.1	79.	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	995.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 349 MONETTE. MO

### 25 APRIL 705 GMT 1975

٠						25	APRIL 705 G	1975 MT						82 248.	. 0
	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
TIME	CHIC	GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	MISEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	8.1	438.0	959.0	16.0	14.2	140.0	4.1	-2.6	3.1	294.1	322.0	10.7	89.0	0.0	٥,
99.9	99.9	9509.	1000.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	
99.9	99. 9	99.5	975+0	99.9	99.9	99•9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
0.2	8.8	518.7	350.0	17.5	14.2	155.5	6.2	-2.6	5. 7	296.4	324.8	10.8	81.0		31 9.
1.1	10.8	748.0	925.0	18.4	14.3	177-1	5.8	-0.3	5.8	299.6	329.5	11.2	77.3		325.
1.9	12.7	982.7	900.0	16.4	12.5	204.5	6.4	2.6	5.5	299.8	327.7	10.4	78.9		34 3.
2.6	15.1	1222.4	875.0	14.4	12.5	217.0	7.5	4.5	6.0	300.2	329 • 4	10.5	88.4	-	358.
3.3	17.0	1467.2	850.0	12.9	11.7	239+0	6.8	5.6	3.5	301.1	328.8	10.3	92.4	1.1	10.
4.2	19.3	1718.7	825.0	11.7	9.1	260.7	6.7	8.5	1.4	302.2	326.4	8.9	84.0	1.3	24.
5.0	21.4	1976.6	800.0	11.2	8-1	269•6	9.8,	9.8	0.1	304.2	327.8	8.5	81.4	1.6	39. 51.
5. 9	23.7	2241.1	775.0	8.5	7.8	277.7	9.4	9.3	-1.3	304 • 1	329.0	8.6	95.5	2.0	
6.7	- 25. 9	2511.9	750.0	5.7	5.0	274.0	10.5	10.5	-0.7	303.7	324 • 1	7+3	94.8	2.3	60.
7.6	28 • 2	2788.5	725.0	6.0	-21.7	273.3	12.3	12.3	-0.7	306.1	309 • 1 310 • 2	0.9	11.5	2.8 3.5	6£• 72•
8.5	30.8	3074.5	700.0	3.9	-20.6	272.3	13.2	13.2	-0.5	306.9		1.0	14.4 17.5	4.3	75.
9.5	23.3	3368•3	675.0	1.2	-20.8	264.7	14.0	13.9	1.3	307-1	310 • 5 311 • 3	1.1	19.7	5.1	76.
10.4	35.7	3670.6	650.0	-1.0	-21.3	264-1	13.4	13.3 14.3	1.4	307.9 308.4	311.7	1.0	22.0	5.9	78.
11.5	38.3	3981.8	625.0	-3.6	-22.5	266.9	14.4		0.8	310.5	311.9	0.4	8.9	6.9	79.
12.6	40.5	4303.6	600.0	-4.8	-33.0	265.7	17.7	17•7 20•1	1.3 2.7	310.9	312.3	0.4	10.9	8.1	90.
13.6	43.5	4636.4	575.0	-7•8 -10 A	-33.2	262•2 259•5	20.3	21.9	4.0	311.7	312.9	0.3	11.1	9.5	ac.
14.7	46.4	4580.0	550.0	-10.4	-35.2	259.2	22•1 23•0	22.6	4.3	313.5	314.2	0.2	6.9	11.0	80.
15.8	49.4	5336.8	525.0 500.0	-12.4	-41.2 -47.5	253.9	25.6	24.6	7• 1	314.6	315.0	0.1	4.3	12.8	80.
17.0	52-1	5707.3	-	-15.1	_	247.2		25.9	10.9	315.5	316.0	0.1	6.2	14.9	76.
18.3	55.2 58.3	6093.1 6494.1	475.0 450.0	-18.1 -21.7	-46.4	244.2	28•1 30•3	27.3	13.2	315.9	316.2	0.1	6.2	17.3	76.
19.8		6913.2	425.0	-23.8	-50.4	240.7	30.5	26.6	15.0	318.4	318.8	0.1	6.5	19.5	75.
21.1	61.6 65.0	7353.7	400.G	-26.4	-52.0	233.5	30.9	24.8	18.4	320.6	320.9	0.1	6.8	22.4	72.
24.0	68.4	7816.5	375.0	-30.4	-54.6	228.3	31.6	23.6	21.0	321.3	321.5	0.1	7.3	24.9	70.
25.4	72.0	8304.9	350.0	-32.7	-55.5	213.6	33.6	18.7	28.1	324.6	324.8	0.1	6.1	27.1	68.
27.0	76.0	8824.0	325.0	-35.5	-55.6	220.8	35.5	23.2	26.9	327.7	328.0	0.1	10.6	30. 1	64.
28.6	80.0	9375.6	300.0	-40.4	99.9	221.3	32.1	21.1	24.1	328.4	999.9	99.9	999.9	33. i	62.
30.7	54. 2	9962.7	275.0	-45.0	99.9	216.1	30.3	17.8	24.4	330.1	999.9	99.9	999.9	36.7	_
32.8	88.6	10593.8	250.0	-49.4	99.9	999.9	99.9	99.9	99.9	332.7	999.9	99.9	999.9	999. 9	
99.9	99. 9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99. 9	999.9	999. 9	
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	150.0	99.9	99.9	69.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	59.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9	
99.9	99. 9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	99.0	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10. DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363

150

11.

TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V COMP PCT T E POT T MX RTO RH RANGE AZ GPM MIN MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 1095.0 0.0 13.2 888.0 11.1 6.6 110.0 3.6 -3.4 1.2 295.0 313.6 6.9 74.0 0.0 G. 99.9 99.9 99.9 1000.0 90.9 99.9 90.0 99.9 99.9 99.9 99.9 996.9 99.9 999.9 999.9 999. 975.0 99.9 99.9 55.5 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 3 999. 99.9 59.9 99.9 950.0 99.9 59.9 99.9 99.9 99.9 99.9 99. 9 999.9 99.9 996.9 990.9 990. 99.9 99.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 9954 99.9 99.9 99.9 900.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 0.6 14.3 1220.2 875.0 17.5 9.1 108.2 7.0 -6.6 2.2 303.0 326.0 58.1 0.2 275. 8.3 1.4 16.1 1468.9 850.0 18.8 0.7 156.7 5.7 -2.2 5.2 306.5 320.2 4.8 29.6 0.5 293. 2.4 18.2 1724.6 825.0 18-5 -5.0 191.6 7.2 1.4 7-0 308.6 318-1 3.2 19.7 0.7 321. 214.0 309.1 3.2 20.3 1987.2 800.0 16.5 -6.7 7.8 4.3 6.4 317.8 2.9 19.8 1.0 341. 4.2 22.3 2256.0 775.0 14.4 -8.3 227.5 10.1 7.4 6.8 309.6 317.6 2.6 19.9 1.3 3. 24.5 2531.5 75Ö+0 12.0 -10.2 235.3 7.9 .5.5 309.9 317.1 5.2 9.6 2.3 20.1 1.5 17. 26.5 2813.8 725.0 -12.2 249.0 3.4 310.2 2.1 20.2 6.2 9.5 9.4 6.8 316.5 2.2 28. 7.2 3103.0 700.0 309.9 28.9 6.5 -14.6 263.2 8.7 8.7 1.0 315.4 1.8 20.4 2.6 36. 310.9 8.2 31.3 3400.2 675.0 4.5 -17-2 287.4 5.1 -1.6 315.5 18.8 5.4 1.5 2.0 45. 9.4 33.7 3706.8 650.0 3.4 -20.2 343.5 3.1 0.9 -2.9 313.0 316.7 1.2 15.6 2.9 49. 10.6 36.0 4023.1 625.0 0.9 -24.2 337.9 3.9 1.5 -3.6 313.5 316.4 0.9 13.2 2.7 53. 11.8 38.6 4350.0 600-0 -1-2 -25.7 307.6 5.2 4.2 -3.2 314.9 317-4 0.8 13.4 2.8 61. 292.8 315.2 317.4 0.7 12.9 41.0 4687.3 575.0 -4.1 -27.9 5.9 5.5 -203 13.6 3.0 67. 284.9 -1.9 316.1 318.1 0.6 3.3 71. 14.0 43.6 5036.1 550.0 -6.7 -29.8 7.5 7.2 13.9 289.8 317.8 5397.9 525.0 -0.8 -31.4 9.4 -3.2 319.6 0.5 14.0 3.9 76. 15.3 46.3 9.8 -11.6 16.5 49.2 5773.9 500.0 -33.4 290.8 12.3 11.5 -4.4 318.9 320.5 0.4 14.3 4.5 43. -5.8 320.9 17.9 51.9 6164.5 475.0 -14.8 -35.9 295.2 13.6 12.3 319.6 0.4 14.6 5.5 AA. 6571.2 -18.1 +38.4 306.9 -9.7 320.4 321.5 94. 19.3 54.9 450.0 16.1 12.8 0.3 14.8 6.6 321.6 20.8 57.9 6995.1 425.0 -22.0 -41.4 304.9 18.2 15.0 -10.5 320.7 0.2 15.2 8. C 100. 400.0 -25.0 290.3 322.5 323.2 0.2 15.4 9.6 104. 22.4 61.0 743507 -43.7 17.7 16.6 -6.2 0.1 -3.9 323.4 11.3 104. 24.0 64.4 7904.7 375.0 -28.8 -46.8 282.7 17.9 17.5 323.9 15.8 -3.0 324.3 0.1 25.6 67.7 8394.1 350.0 -32.9 -49.9 279.5 18.5 18.2 324.8 16.1 13.0 104. 27.3 71.1 8910.8 325.0 -37.3 99.9 275.2 22.4 22.3 -2.0 325.2 999.9 99.9 999.9 15.1 102. 75.0 999.9 999.9 17.8 102. 29.2 9458.6 300.0 -41.3 99.9 278.5 25.8 25.5 -3.8 327.2 99.9 31.4 79.2 10045.4 275.0 -44.4 99.9 277.6 33.0 32.7 -4.4 330.9 999.9 99.9 999.9 21.6 101. 33.6 83.2 10677.0 250.0 -49.6 99.9 278.9 3346 33.2 -5.2 332.3 999.9 99.9 999.9 26.0 101. 999.9 35.8 27.6 11356.4 225.0 -55.1 99.9 277.3 35.5 35.2 -4.5 334.1 999.9 99.9 30.8 100. 38.1 92.8 12099.7 200.0 -61.3 99.9 275.0 37.5 37.4 -3.3 335.7 999.9 99.9 999.9 35.6 100. 40.8 98.0 12917.4 175.0 -65.7 99.9 278.1 40.0 39.6 -5.6 341.6 999.9 99.9 999.9 42.0 99. 31.3 360.2 999.9 99.9 999.9 49. 3 44.1 103.8 13863.1 150.0 -63.8 99.9 268.3 31.3 0.9 99. 47.7 110.3 14993.8 125.0 -59.8 99.9 261.2 28.4 28.1 4.3 386.7 999.9 99.9 999.9 55.6 96. 52.2 118.0 16380.0 100.0 -63.3 99.9 262.9 19.3 19.2 2.4 405.5 999.9 99.9 999.9 61.6 96. 58.5 128.0 18139.2 75.0 -61.0 99-9 252.0 15.5 14.7 4.8 445.0 999.9 99.9 999.9 67.3 95. -0.0 999.9 99.9 999.9 70.3 66.5 140.0 20652.4 50.0 -58.1 9909 273.8 0.6 0.6 506.5 94. 999.9 999.9 71.6 79.3 154.0 25091.0 -52.6 99.9 322.9 3.7 -4. 9 633.3 99.9 95. 25.0 6.1

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 402 WALLOPS ISLAND. VA

157 10. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	÷D <u>I</u> R	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	ĎĠ	M/SEC	M/SEC	MISEC	DG K	DG K	GM/KG	PCT	KЧ	CG
0.0	4.5	4.0	1010.7	18.3	15.0	999.9	99.9	99.9	99.9	292.0	319.6	10.7	81.0	999.9	999.
0.3	5.3	95.8	1000.0	19.2	15.5	999.9	99.9	99.9	55.9	293.8	322.9	11.2	79.3	999.9	919.
1.1		313.9	975.0	18.5	15.4	999.9	99.9	99.9	55.9	295.3	325.2	11.4	82.1	999. 5	399.
2.0	9.3	537.3	950.0	18.5	13.7	995.9	99.9	99.9	59.9	297.4	325.2	10.5	73.5	999.9	999.
2.8	11.3	766.1	925.0	17.3	12.3	999.9	99.9	99.9	59. 9	298.3	324.5	9∙8	72.6	999. 9	
3.7	13.5	1000.0	900.0	16.0	11.5	999.9	99.9	99.9	<b>99.9</b>	299.3	324.9	9.5	74.6	999.9	
4.5	15.7	1239.4	875.0	14.5	11.0	999.9	99.9	99 <b>. 9</b>	99.9	300.1	325.7	9.5	79.6	999.9	
5.6	17.9	1484.2	850.0	12.8	10.5	999.9	99.9	99.9	99.9	300.8	326.4	9•5	. 86.2	999. 9	
6.4		1735.0	825.0	11.1	9.4	999.3	99.9	99.9	55.9	301.5	326.1	9.0	89.2	999.9	
7.4		1991.6	800.0	9.0	7.7	999.9	99.9	99.9	99. 9	301.A	324.6	8.3	92.1	999. 9	
8.6		2254.3	77.5.0	7.4	6.2	999.9	99.9	99.9	99.9	302.	324.1	7. 7	92.4	995. 9	
9.5		2524.3	750.0	6.0	4.9	999.9	99.9	99.9	99.9	304.0	324.3	7.3	92.8	994.9	
10.6	7 4 .	2801.9	725.0	4.4	3.3	999.9	. 99.9	99.9	99.9	305 <b>•</b> 1	324.0	6.7	92.9	999. 7	
11.7		3087-5	700.0	2.8	1.8	999.9	99.9	99.9	99.9	306.4	324.1	6 • 2	92.8	999. 9	
12.9		3381.5	675.0	1.0	-0.1	995.9	99.9		99.9	307.5	323.8	5.7	92.2	999.9	
14.1		3684.8	650.0	-0.8	-1.9	999.9	98.9	99.9	99.9	308.6	323.7	5-1	92.2	999.9	
15.3		3997.6	625.0	-2.6	-5.6	999.9	99.9	99.9	99.9	309.9	321.9	4+1	A0.3	999.5	
16.5		4320-8	60000	-3.7	-8.0	999.9	99.9	99.9	99.9	312.3	322.7	<b>3</b> •5	71.7	399.3	
17.8		4656.1	575.0	-6.0	-9.1	999.9	99.9	99.9	69.9	313.3	323.4	3.3	78.7	999.9	
19.2		5003.4	550.0	-8.1	-10.2	595.9	99.9	97.9	99.9	314.8	324.6	3.2	84.7	999. 9	
20.4		5363.7	525.0	-10.3	-13.0	999.9	99.9	99.9	99.9	316.3	324.6	2.7	80.9	999.9	
21.7		5738+6	500.0	-12.1	-17.9	999.9	99.9	99.9	99 <b>.</b> 9	318.4	324.4	1.9	62.3	993.3	
22.9	7.4	6129.6	475.0	-14.0	-29.0	999.9	99.9	9909	99.9	320.7	323.3	0.8	28.1	999.	
24.5		6538-1	450.0	-17-1	-36.5	999.9	99.9	99.9	99.9	321.8	323.1	0.4	17.2	999.9	
26.1		6963.6	425.0	-20.6	-63.1	999.9	99.9	99.9	99•9	322.5	322.5	0.0	1.0	995.9	
27.7		7409.3	<b>400.0</b>	-23.9	-65.2	999.9	99.9	99.9	99.9	323.8	323.9	0.0	1.0	999.9	
29.4		7876.4	375.0	-28.1	-49.3	999.9	99.9	99.9	99. 9	324.4	324.8	0.1	10.9	999.9	
31.2		8367.3	350.0	-32.4	-36.6	999.9	99.9	99.9	59.9	325.0	326.7	0.5	66.1	999. 5	
33.0		8885.9	325.0	-36.3	99.9	999.7	99.9	99.9	99.9	326.6	999.9	99 • 9	999.9	999.9	
34.9		9435.6	300.0	-41.0	99.9	999.9	99.9	99.9	<b>59.9</b>	327.7	999+9	99.9	999.9	999. 9	
36+6		10020.9	275.0	-46.2	59.9	999.9	99.9	99.9	59.9	328• 4	999.09	99.9	999.9	999. 9	
38.8		13546.2	250.0	-52.0	99.9	999.3	99.9	99.9	59.9	328.8	999.9	99.9	999.9	999. 9	
41.2		11322.2	225.0	-56.2	99.3	999.9	99.9	99.9	99.9	332.3	999•9	99.9	999.9	999. 9	
43.7		12360.2	200.0	-62.8	99.9	999.9	99.9	99.9	99.9	333.3	999.9	99.9	999.9	999.9	
46.6		12671.9	175.0	-67.0	99.9	999.9	99.9	99.9	99.9	339.5	999.9	99 <b>,</b> 9	999.9	999.3	
50.0		13806.3	150.0	-62.7	99.9	999.9	99.9	99.9	59.9	362.1	999.9	99.9	995.9	999. 9	
54.2		14937-1	125.0	-61.0	99.9	999.9	99.9	99.9	59 <b>.</b> 9	384.5	949.9	99.9	999.9	999.9	
59. 1	131.7	16326.9	100.0	-60.2	99.9	999.9	99.9	99.9	99.9	411.4	999.9	99.9	999.9	999.9	
65.6	139.7	18103.9	75.0	-64.7	59.9	999.9	99.9	99.9	99.9	437.2	999.9	99.9	995.9	999. 9	
74.0		20594.4	50.0	-61.2	99.9	999.9	99.9	99.9	99.9	499.4	999.9	99.9	995.9	999.9	
87.9	155.3	24977.4	25.0	-55.8	99.9	999.9	99.9	99.9	<b>69.9</b>	624.7	999.9	99. 9	999.9	999. 9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 405 STERLING. VA

25 APRIL 1975 517 GMT

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE		
MIN		GPM	MB	DG C	DG C	DG	M/SEC	MISEC	M/SEC	DGK	DG K	GM/KG	PCT	KM	DG	
0.0	6.2	e5.0	1000.8	16.5	14.7	280.0	2.1	2.1	-0.4	291.0	318.3	10.6	89.0	0.0	0.	
0.0		91.9	1000.0	16.6	14.8	285.6	2.5	2.4	-0.7	291.1	318.6	10.7	89.3	0.0	11.	
0.	8.7	308.3	975.0	16.2	15.2	398.8	6.3	4.9	-4.0	293.0	322.1	11.2	93.4	0.3	112.	
1.	7 10.9	529.3	950.0	15.0	14.1	315.7	7.6	5.3	-5.4	293.8	321.7	10.7	94.1	C. 6	126.	٠
2.		755.4	925.0	13.8	12.2	314.0	9.3	6.7	-6.5	294.7	320.2	9.7	90.2	1.1	129.	
3.		986.6	900.0	13.1	11.5	312.9	11.5	8.4	-7.8	296.2	321.5	9.5	90.1	1.7	131.	
4.	.18.3	1223.5	875.0	11.8	9.5	308.8	11.3	8.8	-7.1	297.1	320.6	8.7	87.8	2. 3	131.	
5.	20.7	1466.3	850.0	11.2	8.5	301.7	12.1	10.3	-6.3	298.9	321.2	8.2	83.5	2. 9	130.	
6.	3 23.3	1715.4	825.0	9.3	7.5	298.9	14.1	12.3	-6.9	299.4	320.9	7.9	88.4	3. 7	127.	
7.	25.8	1970.3	0.008	7.6	6.1	298.8	16.8	14.7	-8.1	300.2	320.5	7.4	90.7	4.5	126.	
8.	28.4	2231.5	775.0	6.0	4.1	295.0	16.8	15.2	-7.1	301.1	319.6	. 6.7	88.0		124.	
9.0	31.2	2500.2	750 • 0	4.9	2, 3	294.5	16.5	15.0	-6.8	302.6	319.6	6.0	63.4		123.	
9.	34.0	2776.4	725.0	3.3	0.6	290.3	16.4	15.4	-5.7	303.8	319.5	5.5	82.5		122.	
10.	36.7	3060.5	700.0	1-4	-2.2	285.9	15.6	15.0	-4.3	.304.7	318.1	4.7	77.0	8.0	120.	0
11.	39.6	3353.4	675.0	0.6	-6.7	288.4	17.0	16.1	-5.4	306.7	316.8	3.4	58.1		119.	
. 12.	42.3	3655.8	650.0	-0.5	-7.8	284.0	18.5	17.9	-4.5	308.8	318.5	3.3	57.7	10.0	117.	
14.	45.3	3968.7	625.0	-2.2	-12.7	274.7	19.0	18.9	-1.6	310.2	317.2	2.3	44.5		115.	
15.0	48.4	4292.6	600.0	-2.8	-27.9	271.1	22.0	22.0	-0.4	312.9	315.0	0.6	12.5	12.5	113.	
16.	51.3	4628.3	575.0	-5.0	-27.7	272.0	24.1	24.1	-0-8	314.2	310.5	0.7	14.8	13.8	111.	
17.	54.5	4976.5	550 • 0	-6.9	-33 • 1	269.7	25.6	25.6	0.1	315.9	317.4	0.4	10.3	15.4		
18.	57.6	5338.1	525.0	-8.6	-41.5	269.1	26.4	26.4	0.4	318.1	318.8	0.2	5.0	17.2	107.	
19.	61.0	5713.6	500.0	-11.6	-38-1	274.3	24.8	24.7	-1.8	318.6	317.6	0.3	9.1	19.2	105.	
21.0	64.4	6104.0	475.0	-15.1	-38.3	274.8	23.4	23.3	-2.0	319.3	320.3	0.3	11.7	20.9	194.	
22.	67.5	6509.8	450.0	-18.6	-35-1	278.2	24.6	24.4	-3.5	319.9	321.3	0.4	21.6	23. 0	103.	
24.1	71.3	6933.0	425.0	-22.3	-38.2	279.3	29.7	29.3	-4. 6	320.4	321.6	0.3	21.8	25. 7	193.	
25.	75.0	7375.5	400.0	-25.8	-40.8	276.4	28.4	28.2	-3.2	321.4	322.3	0.3	22.9	28.8	102.	
27.0	79.0	7840.1	375.0	-29.4	-47.3	281.3	36.3	35.6	-7.1	322.6	323.1	0.1	15.6	32. 1	102.	
29.	5 82.8	8331.1	350.0	-32.3	-56.4	285.1	29.8	28.8	-7.8	325.1	325.3	0.1	7.0	36.1	102.	
31.	8 .65	8850.0	325.0	-35.8	-58.5	274.6	32.9	32.8	-2.T	327.2	327.4	0.0	7.5	39. 2	102.	
33.	91.3	9401.0	300.0	-40.7	99.9	262.2	30.9	30.6	4.2	328.0	999.9	99.9	999.9	42.5	101.	
35.	5 55.7	9987.5	275.0	-45.4	99.9	256.8	32.9	32.1	7.5	329.5	999.9	99.9	999.9	47-1	99.	
37.	100.4	10615.5	250.0	-51.4	99.9	257.2	36.4	35.5	8.1	329.7	999.9	99.9	999.9	51 - 1	97.	
40.	2 105.6	11290.6	225.0	-57.0	99.9	259.7	33.0	32.4	5. 9	331.2	999.9	99.9	999.9	56.7	95.	
43.	111.0	12026.0	200.0	-62.6	99.9	262.7	35.6	35.3	4.5	333.6	994.9	99.9	999.9	62. 6	94.	
46.	117.0	12842.6	175.0	-64.5	99.9	267.9	23.8	23.8	0.9	343.5	999.9	99.9	999.9	67. E	93.	
49.	123.8	13783-1	150.0	-62.7	99.9	279.3	22.5	22.2	-3.7	362.2	999.9	99.9	999.9	74.0	92.	
54.0	131.0	14916.5	125.0	-58.9	99.9	289-1	20-4	19.3	-6.7	388.4	999.9	99.9	999.9	82. 2	93.	
60.	138.8	16321.0	100.0	-58.4	99.9	276.4	7.7*	7.7	-0.9	414.9	999.9	99.9	999.9	88.2	94.	
67.	147.0	18106.7	75.0	-62.6	99.3	256.7	12.1	11.8	2.8	441.6	999.9	99.9	999.9	91.9	93.	
77.	157.0	20609.6	50.0	-59.9	99.9	279.3	8.9	8.8	-1.4	502.3	999.9	99.9	999.9	94.1	93.	
93.	3 167.5	25011.4	25.0	-53.3	99.9	103.2	6.4	-6.3	1.5	631.8	999.9	99.9	999.9	91.9	93.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 425

25 APRIL 1975 645 GMT

19. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC. M/SEC M/SEC DG K DG K GM/KG PCT KM DG 7.0 246.0 983.4 13.3 13.3 90.0 0. Ú 2.1 -2.1 0.0 289.1 314.3 9.8 100.0 0.0 9. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 94.9 99.9 99.9 999.9 99.9 999.9 999. 4 944. 0.3 7.7 318.8 975.0 14.3 14.3 999.9 99.9 99.9 99.9 291.0 318.4 10.6 100.4 999.9 999. 1.2 5.8 539.1 950.0 14.8 13.1 299.9 99.9 99.9 99.9 293.6 319.8 10.0 89.3 999. 9 979. 2.1 11.8 765.7 925.0 23.7 15.0 11.8 3.5 -1.4 -3.2 296.0 321.1 9.5 81.0 0.2 173. 3.0 13.9 997.7 900.0 14.2 8.6 281.7 5.0 -1.0 297.2 318.3 7.8 .0.3 157. 5-1 68.7 3.7 15.9 1235.0 875.0 12.1 6.8 285.5 3.9 3.8 -1.1 297.3 316.6 0.5 140. 7.1 70.1 4.6 18.1 1477.3 850.0 269.5 297.7 10.1 8.1 6.5 6.5 0.1 319.4 8.0 87.6 0.7 127. 5.3 20.3 1725.9 825.0 9.3 4.5 262.2 9.1 9.1 1.2 299.3 317-0 71.9 C.9 112. 6.4 6.2 22.5 1980.4 800.0 7.3 3.5 270.3 299.7 316.7 1.6 102. 12.5 12.5 -0.1 6.2 76.9 7.2 24.8 2241.5 775.0 7.0 1.2 270.2 13.9 13.9 -0.1 302.1 317.3 2.3 99. 5.4 66.6 8.2 26. 9 2511.5 750.0 7.2 -7.2 270.5 15.5 15.5 -Ò• 1 304.8 313.5 34.9 95. 3.0 3.1 9.1 29.5 2789.9 .725.0 -14.3 276.9 -2.0 306.7 312.1 21.0 4.0 Ç. 6.4 16.6 16.4 1.7 10.0 16.8 31.8 30 76 . 3 700.0 4. I -15.5 261.3 16.5 -3.3 307.2 312.2 1.6 22.4 5.0 90. 3370.6 11.0 34.3 675.0 1.1 -16.7 280.9 16.6 16.3 -3.1 307.1 311.8 1.5 24.9 6.0 97. 12.0 36.7 3673.1 650.0 -0.7 -18.3 282.0 16.2 15.9 -3.4 308.3 312.6 1.4 24.9 6. 7 97. 13.0 39.3 3984.7 625.0 -3.4 -20.7 285.1 17.3 -4.5 308.7 312.4 7. 9 16.7 1.2 24.9 28. 13.9 41.8 4306.2 600.0 -5.8 -19.6 286.1 309.6 313.8 18.6 17.9 -5.2 1.3 32.6 8. 9 99. 15.0 44.6 4638.0 575.0 -8.4 -21.3 281.8 19.5 19.1 -4.0 310.3 314.2 1.2 34.3 10.1 100. 16.1 47.4 4981.9 -10.3 -22.7 273.5 312.0 550.0 20.5 20.5 -1.3 315.6 1.1 35.3 11.4 199. 17.3 50.3 5339.3 525.0 -12.0 -33.9 273.0 21.5 21.4 -1.1 314.0 315.5 0.4 14.2 13.0 99. 18.6 5711.3 -42.8 275.0 53.0 5C0.0 -13-5 25.7 25.6 -2.2 316.5 317.1 0.2 6.4 14.6 98. 19.8 56. 0 6100-1 475.0 -14-7 -43.5 274.3 31.1 31.0 -2.3 319.8 320.4 0.2 16.8 20. 6.5 6507.2 272.8 31.3 31.3 21.1 59.1 450.0 -17.7 -44.7 -1.5 321.0 321.6 0.2 7.4 19.2 97. 30.8 22.3 62.3 6932.4 425.0 -20.7 -38.9 273.4 30.7 -1.8 322.5 323.6 0.3 17.6 21.5 97. 23.6 €5.5 7378.0 400.0 -24-1 -40.2 272.5 31.0 31.0 -1.4 323.6 324.6 0.3 21.0 23.9 960 25.1 69.0 7844.7 375.0 -28.1 -48.2 267.7 31.1 31.0 1.2 324.3 324 . 8 96. 0.1 12.5 26.7 26.7 72.4 8337.2 350.0 -31.6 -47.5 268.B 33.6 33.6 326.1 326.6 95. 0.7 0.1 18.8 29.5 34.5 34.5 28.3 76.3 8856+2 325.0 -36.4 -46.0 268-6 0.9 326.4 327.1 0.2 36.5 32. 8 94. -41.0 29.9 E0. 3 9406.1 99.9 40.1 327.6 999.9 999-9 94. 300.0 268.0 40.0 1.4 99.9 36.5 31.7 84.4 9991.7 275.0 -45.7 99.9 269.4 42.7 42.7 0.4 329.0 999.9 99.9 999.9 40.8 93. 33.6 38.8 10615.2 -51.4 99.9 268.5 329.6 999.9 99.9 999.9 45.7 93. 250.0 41.8 41.8 1.1 35.4 93.6 11296.5 -56.3 99.9 272.8 47.9 47.8 -2.3 332.3 999.9 99.9 999.9 51.0 93. 225.0 286.6 37.4 58.6 12033.6 200.0 -62.2 99.9 41.4 -12.3 334.2 999.9 99.9 999.9 56.0 . 93. 43.2 39.6 104.0 12856.7 295.0 34.3 343.8 999.9 99.9 995. 9 60.9 175.0 -64.3 99.9 31.1 -14.5 95. 13791.5 27.1 99.9 96. 41.9 110.2 150.0 -63.1 99.9 278.0 27.3 -3.8 361.6 999.9 999.9 65.4 270.3 45.1 116.5 14921.1 125.0 -61.7 99.9 23.0 23.0 -0. I 383.4 999.9 99.9 999.9 70.6 96. 999.9 49.6 124.7 16300.8 -62.3 99.9 270.3 15.4 15.4 -0.1 407.4 99.9 999.9 75.9 95. 100.0 133.3 18078-1 -62.0 4.9 443.0 999.9 99.9 999.9 80.6 96. 55.0 75.0 99.9 244.2 4.4 2. 1 20579.5 -61.9 99.9 306.5 1.5 497.8 999.9 99.9 999.9 96. 63.3 142.0 50.0 1.8 -1.1 82.4

-52.4

99.9

31.6

25.0

151.0

78.0

24979.9

1.0

-0.9

634.1

-1.4

997.9

99.9

999.9

81.4

900

<sup>\*</sup> BY SPEED HEARS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TENE PEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 429 DAYTON, OHIO

25 APRIL 515 GMT

						4.3	W-41F	8313								
				1.0			515 G	MT						66 371	0	
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DGC	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	7.5	256.0	979•8	13.7	13.4	85.0	3.6	-3.6	-0.3	289.6	315.4	9.9	98.0	0.0	9.	
99.9	99.9	59.9	1000.0	99.9	99.9	99.7	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.2	7.9	339.5	975.0	13.4	12.6	34.4	2.7	-1.5	-2.2	289.9	314.4	9.5	95.1	0. 1	293.	
1.1	10.1	558.6	950.0	13.5	12.7	38.0	1.7	-1.0	-1.3	292.2	317.6	9.8	94.6		256.	
1.9	12.1	783.4	925.0	12.2	11.3	356.1	0.7	0.1	-0.7	293.0	317.0	9.2	94.5	0.3	252.	
2.7	14.4	1013.4	900.0	11.3	10.3	273.8	3.6	3.6	-0.2	294.3	317.6	8.8	93.7	0.2	237.	
3.7	16.4	1248.7	875.0	10.0	8.3	269.4	6.2	0.2	0.1	295.2	316.3	7.9	89.1	0.2	143.	
4.7	18.7	1489.8	850.0	8.9	7.7	255.8	7.7	7.5	1.9	296.5	317.4	7.8	91.9	0.5	95.	
5.6	20. 9	1737-1	825.0	7.9	5.4	258-1	8.0	7.8	1.7	297.8	316.5	6.9	84.6	1.0	85.	
6.6	23.3	1990.9	800.0	7.2	15	264.7	9.0	5.9	0 • 9	299+6	314.5	5.4	67.1	1.5	95.	
7.5	25.5	2252.2	775.0	6.4	-0.2	268.5	8.9	8.9	0.2	301.3	315.0	4.9	62.6	2.0	94.	
8.5	26.0	2520.4	750.0	5.2	-2.2	272.2	8.9	8.9	-0.3	302.8	315.2	4.3	58.7	2. 5	87.	
9.6	30.6	2796.8	725.0	3.6	-9.8	279.5	8.5	8.3	-1.4	303.8	311.2	2.5	36.6	3. 1	80.	
10.7	33-1	3080.6	700.0	2.3	-25.1	282.8	8.4	8.2	-1.9	305.1	307.4	0.7	11.0	3.5	91.	
12.0	. 35, 5	3373.3	675.0	0.2	-22.6	282.3	10.2	10.0	-2.2	306.0	308.9	0.9	16.1	4. 3	92.	
13.2	38-1	3674.1	650.0	-2.6	-17.2	284.1	11.9	11.6	-2.9	306.3	310.9	1.5	31.2	5e 1	94.	
14.5	40.7	3983.9	625.0	-4.9	-20.7	289. 3	12.9	12.2	-4.3	307.0	310.6	1 • 2	27.6	. 6. 0	30.	
15.9	42.4	4303.6	600.0	-6.9	-50.0	290.9	12.9	12.1	-4.6	308.2	312.4	1.3	35.6	7-1		
17.3	46.3	4634.2	575.0	-9.5	-17.0	262-1	14.2	13.7	-3.7	309.1	314.5	1.7	54.0		100.	
18.7	45.3	4976.2	550.0	-11-6	-22.3	281.6	16.9	16.6	-3.4	310.2	31 3. 9	1.2	41.3		190.	
20 • 4	52.0	5330.2	525.0	-15.0	-25.0	278.4	19.7	19.5	-2.9	310.5	313.6	1.0	42.1	11.4	100.	
22.2	55.0	5698.2	500.0	-16-0	-24.5	270.6	23.0	23.0	-0.3	313.7	317.1	1.0	47.6	13.0	99.	
24.3	56.0	6082.7	475.0	-18.8	-27.7	267.8	27.6	27.5	1.0	314.7	317.4	0.8	45.4	16. 5		
26.6	61.3	6482.7	450.0	-22.4	-28.6	269.6	27.1	27.1	0.2	315.2	317.8	0 • 8	56.5	20.6	96.	
29.2	64.6	6900.4	425.0	-24.9	-31.1	272.2	20.3	20.3	-0.8	317.1	319.3	0.7	56.3	24.2	95.	
32.4	67.9	7339.8	400.0	-26.6	-36.3	276.0	23.2	23.1	-2.4	320.4	321.9	0.4	39.0	26. 5		
36•0	71 • 3	7803.6	375.0	-29.7	-43.8	999.9	99.9	99.9	99. 9	322.2	323.0	0.2	24.0	999.9		
99.9	59.9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999. 9	1.5	
99.9	99.9	99.9	325.0	99.9	99.9	96.9	99.9	99.9	99.9	99.9	999.9	99.9	999#9	999 <b>.</b> 9		
99.9	99.9	99.9	300.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	999.9	99.9	<b>599.9</b>	9 <b>99.</b> 9		
99. 9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99 <b>.</b> 9	99.9	999.9	99.9	999.5	999. 9		
99.9	99.5	99.9	250.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	225.0	99.9	99.9	99.9	99.9	99.9	99. 9	99 <b>. 9</b>	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	175.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	150.0	99.9	99.9	99.9	99.9	89.9	99• 9	99.9	999•9	99.9	999.9	999. 9		
99.9	99.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	<b>99.</b> 9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999•9	999.9		
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9		
99.9	99. 3	99.9	50.0	99.9	99.9	95.9	99.9	99.9	99-9	99.9	999.9	99.9	999.9	999.9		
90.0	00.0	00.0	25.0	00.0	99.0	06.0	00.0	90.3	CC_ Q	00.0	000.0	00.0	909.0	200. 3	993.	

<sup>\*</sup> EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 433 SALEM. ILL

### 25 APRIL 1975 600 GMT

117 137. 0

TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED POT T U COMP V CCMP E POT T MX RTO RH RANGE AZ MIN GFM MB DG C CG C M/SEC DG M/SEC M/SEC DG K DG K GM/KG PCT KM DG 175.0 987.0 317.3 0.0 5.7 15.6 13.8 110.0 4.6 -4.3 1.6 291.2 10.1 89.0 0.0 C . 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 0.4 6.7 279.3 975.0 15.7 13.4 84.8 10.6 -10.6 -1.0 292.2 318.2 10.0 86.4 C. 3 296. 1.2 8.5 500 a 950.0 17.7 -7.9 8.8 **83.6** 8.0 -C.9 296.1 316.3 7.5 56.0 0.7 273. 729.1 925.0 17.5 1.9 10.8 7.8 68.6 3.4 -3.2 -1.2 258.2 317.8 7.2 52. B 1.0 270. 2.6 13.0 963.3 900.0 17.2 6.7 284.3 3.9 3.8 -1.0 300.2 317.1 50.0 0. 9 267. 6.9 1203.6 3.5 15.2 875.0 16.6 6.4 261.5 11.1 11.0 1.6 302.0 321.2 6.9 50.9 0.5 266. 4.2 17.4 1450.0 850.0 15.3 4.6 999.9 99.9 99.9 99.9 303.0 320.6 6.3 48.9 999. 5 994. 19.7 1701.8 825.0 5.0 13.1 99.9 999.9 99.9 99.9 99.9 302.5 999.9 99.9 999.9 999. 9 999. 21.5 1959.0 800.0 99.9 999.9 90.5 5.7 11.1 99.9 99.9 303.7 999.9 99.9 999.9 999.9 999. 6.6 24.3 2223.7 775.0 8.9 3.8 280.4 15.8 15.5 -2.5 304.2 322.5 70.3 2.3 66. 6.5 7.3 2494.6 750.0 26.5 6.6 2.5 296.5 17.4 15.6 -7.8 304.5 321 .8 6.1 75.5 3. i 39. 29.0 2772.1 725.0 8.2 4.5 0.1 291.7 14.9 13.9 -5.5 305:1 320.2 5.3 73.1 3. 8 93. 9.0 31.6 3057.2 700.0 1.6 -3.0 288.9 14.6 13.A -4.7 305.0 317.6 4.4 70.7 4.5 96. 10.0 34.2 3349.4 675.0 -0.7 -3.5 280.5 15.2 15.0 -2.8 305.4 319.0 4.4 81.5 5.3 96. 10.6 36.7 3649.6 650.0 -3.5 -3.5 278.3 305.5 318.6 100.4 97. 15.8 15.6 -2.3 4.5 6. 1 11.9 39.4 396C.1 625.0 -3.3 -4.1 283.9 -4-0 309.3 322.5 4.5 93.9 7. 1 94. 16.8 16.3 90.2 13. 1 4283.7 60.0.0 312.2 325.0 95. 42-1 -3.9 -5.3 288.2 18.6 17.7 -5.8 4.3 8.3 14.5 45. 3 4619.0 575.0 -7-2 314.1 326.0 -5.5 -6.9 288.8 21.1 4.0 89.5 10.0 101. 22.2 48.3 324.6 90.1 15.7. 4766.4 550.0 -8.4 -9.8 279.4 -3.0 314.5 3.3 11.5 102. 18.5 18.2 315.0 91.2 16.9 50.9 5325.1 525.0 -11-4 -12.5 255.9 17.3 4.2 323.5 2.8 12.7 101. 16.7 54.0 5698.3 325.3 18.0 500.0 -13.2 -14-1 240.3 20.9 18.2 10.4 317.3 2.6 92.6 13.8 28. 57.0 19.3 6097.5 475.0 -15.5 -16.0 240.1 23.5 20.3 11.7 319.0 325.9 2.2 91.3 15.2 93. 20.7 6C. 5 6494.4 450.0 -18.0 -19.5 236.4 24.4 20.3 13.5 320.8 326.6 1.0 87.7 17.0 90. 22. I 64. 2 6919.8 425.C -20.2 -21.9 228.6 24.3 18.3 16.1 323.3 328.4 1.6 86.0 18.7 86. 23.5 67.5 7366.8 400.0 -23.6 -25.8 223.8 26.0 18.0 18.7 324.3 328.3 1.2 82.5 2C • 4 62. 25 - 1 71.2 7835.4 375.0 -27.2 -30.3 216.3 16.7 22.8 325.6 328.4 0.8 74.8 22.3 77. 28.3 328.8 26.9 75.2 8328.7 350.0 -31.1 -34.5 221.7 31.1 20.7 23.2 326.7 0.6 72.2 24. 9 73. 28.3 79.4 8850.1 325.0 -34.8 -38.3 224.4 328.7 330.2 0.4 76.2 27.2 70. 33.4 23.4 23. 9 29.7 9404.1 300.0 330.2 331.3 0.3 30.0 83.5 -39.1 -42.9 221.2 35.7 23.6 26.9 66.4 67. 31.3 88.2 9993.7 275.0 -44-4 99.9 215.7 38.7 22.6 31.4 330.9 999.9 99.9 999.9 33.0 54. 99.9 999.9 99.9 999.9 32.9 93.2 10625.2 250.0 -49.9 216.8 43.2 25.9 34. € 331.9 36.4 61. 995.9 34.7 98.4 11305.0 225.0 -55.7 99.9 216.7 45.6 27.3 36.6 333.1 999.9 99.9 40.7 59. 999.9 36.6 1C4.9 12044.0 200.0 -62.5 99.9 214.4 46.6 26.3 38.4 333.6 99.9 999.9 45. 9 56. 38.5 110.3 12856.6 175.0 -67.7 99.9 232.9 42.5 33.9 25.7 J38.2 999.9 99.9 999.9 50.7 54. 40.9 117.0 13800.6 150.0 -62.3 99.9 999.9 99.9 99.9 99.9 362.8 999.9 99.9 999.9 999.9 999. 999.9 999.9 995. 99.9 99.9 99.9 125.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.3 99. 7 99.9 100.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 379. 99.9 99. 3 59.9 75.0 99.9 99.3 99.9 99.9 99.9 59.9 99.9 959.9 99.9 995.9 999.9 999. 999.9 999.9 999.9 999. 99. 9 99. 9 99.9 50.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9

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<sup>#</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>+</sup> BY TERF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451 DODGE CITY. KAN

25 APRIL 1975 530 GMT

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	A.Z	
MIN		GFM	MB	DG C	DG C	DC	M/SFC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	13.7	791.0	921.6	14.4	. 11.4	140.0	3.1	-2.0	2.4	295.6	329.0	9.2	82.0	0.0	0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99. 9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.7	15.8	993.7	900.0	16.6	9.5	999.9	99.9	99.9	99.9	299.7	322.3	E.3	62.8	999.9	995.	
1.6	10.3	1233.3	875.0	15.2	6.7	999.9	99.9	99.9	99.9	300.5	319.9	7-1	56.9	99 <b>9</b> . 9	999.	
2.3	20.7	1478.2	850.0	13.1	5.7	999.9	99.9	99.9	99.9	300.7	319.5	6.8	60.9	999.9	999.	
3. 1	23.3	1728.4	825.0	10.8	3.4	999.9	99.9	99.9	99.9	360.8	317.3	6.0	60.4	999•9	999.	
3, 9	25. 3	1984.7	800.0	9.2	1.0	999.9	99.9	99.9	99.9	301.6	316.1	5.2	56.4	999. 9	999.	
4.8	26.5	2247.5	775.0	7.6	-7.3	999.9	99.9	99.9	55.9	302.4	310.8	2.9	33.9	99 <b>9.</b> 9	999.	
5.8	31.2	2516.7	750.0	6.9	-13.2	999.9	99.9	99.9	99.9	304.3	310.0	1.9	22.7	999.9	995.	
6.6	34.0	2795.2	725.0	7.2	-21.0	999.9	99.9	99.9	99.9	307.4	310.6	1.0	11.3	99 <b>9.</b> 9		
7.5	36.6	3083.0	700.0	5.9	-25.7	999.9	99.9	99.9	99.9	309.1	311.3	0.7	8.1	995. 9	999.	
8.5	39.6	3378.8	675.0	3.6	-27.1	999.9	99.9	99.9	99. 9	309.6	311.8	0.6	8.3	999, 9	999.	
9.4	42.3	3683.6	650.0	1.2	-28.7	999.9	99.9	99.9	99.9	310.4	312.2	0.5	8.5	999, 3	600.	
10.5	45.3	3997.3	625.0	-1.5	-30.4	999.9	99.9	99.9	99. 9	310.8	312.4	0.5	8.5	999. 9	999.	
11.5	48.4	4320.4	600.0	-4.6	-32.5	301.3	10.2	8.7	-5.3	310.8	312.2	0.4	9.1	3. 9	127.	
12.5	51.3	4653.4	575.0	-7.3	-34.3	304.1	9.9	8.2	-5.5	311.4	312.7	0.4	9.4	4. 4	127.	
13.6	54.6	4997.6	550.0	-10-5	-36.4	307.6	12.6	10.0	-7.7	311.6	312.6	0.3	9.7	5.2	127.	
14.7	57.6	5353.9	525.0	-13.0	-38.1	303.2	15.5	13.0	-8.5	312.8	313.7	0.3	10.0	60 I	127.	
15.9	60.9	5724.6	500.0	-14.7	-39.3	299.7	16.3	14.2	-8-1	315.1	315.9	0.2	10.1	7.3	126.	
17.3	64.4	6111.4	475.0	-16.9	-40.9	302.0	17.4	14.6	-9.2	317.0	317.8	0.2	10.3	8.7	125.	
18.€	67.9	6514.0	450.0	-20.7	-43.6	299.3	18.3	16.0	-6.9	317.2	317.8	0.2	10.7	10.1	124.	
20-1	71.2	6933.9	425.0	-23.9	-45.9	300.5	18.3	15.8	-9.3	318.3	318.8	0.1	11.0	11.7	124.	
21.6	75. 0	7372.8	400.0	-28.0	-48.8	298.6	18.8	16.5	-9.0	318.6	319.0	0.1	11.5	13. 3	123.	
2302	79.3	7632.7	375.0	~32.0	-51.8	296.2	20.9	18.7	-9.2	319.1	319.4	0.1	11.9	15.3	122.	
24.9	62.3	8317.4	350.0	-35.2	-54.2	296.1	25.0	22.5.	-11.0	321.2	321.5	0.1	12.2	17.5	122.	
26.6	P6+ 8	8829.4	325.0	-39.4	-57.4	294.7	25.2	22.9	-10.5	322.2	322.4	0.0	12.6	20.2	121.	
26.4	91.2	9372.7	300.0	-43.6	99.9	293.1	26 • 1	24.0	-10-2	323.9	999.9	99.9	999.9		120.	
30.7	95.8	9951.2	275.0	-48.7	99.9	284.0	20.9	28.0	-7.0	324.7	999.9	99.9	999.9	26.6	112.	
32. 6	100.5	10571.4	250.0	-53.6	99.9	200.1	38.3.	36.4	-11.9	326.4	999.9	99.9	999.9	30.7	117.	
35.4	105. 3	11243.7	225.0	-56.7	99.7	296.6	37.4	33.4	-16.7	331.6	999.9	99.9	999.9	37. 1	116.	
37.9	111.3	11983.9	200.0	-60.1	99.9	289.2	23.5	22.2	-7.7	337.7	999.9	99.9	999.9	41.7	116.	
40.9	117. 3	12808.9	175.0	-63.5	99.9	276.0	32.7	32.5	-3.4	345.1	999.9	99.9	999.9	46. 9	814.	
44-1	124.3	13772.0	150.0	-59.6	99.3	274.7	28.0	27.9	-2. 3	367.4	999.9	99.9	999.9	52.0	112.	
48.1	131.3	14906.0	125.0	-61.6	99.9	262.0	27.1	26.9	3. 9	383.4	999.9	99.9	999.9	57. 4	109.	
53.4	129.3	16289.0	100.0	-61.8	99. 7	256.6	21.3	20.7	4.9	406.3	999.9	99.9	939.9	64.6	106.	
59.7	147.7	18071.9	75.0	-58.1	59.9	230.7	7.4	5.7	4.7	451.2	999.9	99.9	999.9	70.5	104.	
67.8	157.0	20582.7	50-0	-61.2	99.9	300.1	1.9	1.6	-0.9	499.2	999.9	99.9	999.9	72.4	104.	
80.9	167-5	25026-8	25.0	-55.6	60.0	20-1	3.0	-1.3	-3-6	625.0	999.9	99.9	999.9	73. 3	104.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 456 TOPEKA. KAN

25 APRIL 1975 520 GMT

157 31. 0

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TIME	CNTCT	NZ LGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE AZ	
WIM		GEM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	UG, K	DG K	GM/KG	PCT	KM DG	
0.0	6.2	268.0	979.0	16.1	15.6	320.0	2.6	1.7	-2.0	292.5	322.3	11.5	97.0	0.0 0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 999.	
0 • 2	6.5	30 3. 2	975.0	16.9	15.8	999.9	99.9	99.9	99.9	293.7	324.1	11.7	93.4	999.9 999.	
0.9	e• 6	525.6	950.0	17.3	14.5	999.9	99.9	99.9	99.9	296-2	325.8	51.2	85.4	999. 3 999.	
1.0	10.6	753.8	925.0	16.1	13.3	999.9	99.9	99.9	99 <b>.</b> 9	297.2	324.9	10.4	83.0	999.7 975.	
2. 7	12.6	986.7	900.0	14.3	12.4	64.4	8.4	-7.5	-3.6	297.6	324.5	10.1	88.2	0.3 219.	•
3.7	14.8	1224.5	875.0	12.8	10.2	57.9	5.8	-4.9	-3.1	298.3	322.4	9.0	83.7	0.7 240.	
4.6	16.9	1468+1	850.0	11.6	8.4	13.8	5.4	-1.3	-5. 2	299.4	321.6	8.2	80.8	1.0 233.	
5.5	19.1	1717-4	825.0	10-2	5.2	351.5	7.4	1-1	-7.4	300.2	318.9	6.8	71.5	1.2 222.	
6.5	21.2	1973.9	800.0	10.3	-1.1	338.2	11.5	4.2	-10.6	302.7	315.3	4.4	45.0	1.6 204.	
7.5	23.5	2237.2	775.0	8.4	-1.7	328.7	13.5	7.0	-11.5	303.4	315.9	4.4	49.0	2.1 139.	
8.5	25. 8	2507.7	750.0	7.6	-1.4	313.8	14.8	10.7	-10.2	305.4	318.7	4.6	53.0	2.8 175.	
9.7	29.2	2756.4	725.0	5.5	-4.1	304.8	15.1	12.4	-8.6	306.0	317.3	3.9	49.9	3.6 163.	
10.7	30.7	3072.1	700.0	2.5	-5/9	301.0	14,9	12.7	-7.7	306.0	316.3	3.5	52.8	4.4 154.	
11.5	33.3	3365.2	675.0	0.3	-9.7	295.7	13.7	12.4	-5. 9	306.3	314.4	2.7	46.9	5.2 149.	
13.0	35. 8	3666.9	650.0	-1.5	-14-0	266.6	12.3	11.8	-3.5	307.5	313.6	2.0	38.0	6.0 143.	
14.1	30.4	3978.5	625.0	-2.6	-21.3	291.7	10.9	10.1	-4.0	369.6	313.2	1 • 1	21.9	6.6 139.	
15.3	41.0	4300.9	600.0	-4.8	-23.1	300.2	11-4	9.9	-5.7	310.7	313.9	1.0	22.1	7.3 137.	
16.5	43.5	4634.3	575.0	-7.2	-25.1	306.1	12.2	9.6	-7.5	311.6	314.4	0.9	22.2	8.1 135.	
17.9.	46.8	4978.7	550.0	-10.4	-27.0	310.2	13.5	10.3	-8.7	311.6	314.3	0.8	24.1	9.1 135.	
19.0	49.6	5334.6	525.0	-13.6	-30.2	308.1	13.4	10.5	-8.3	312.1	314.1	0.6	23.0	10.1 134.	
20.3	<b>52.6</b>	5703.3	500.0	-16.7	-34.5	304.9	13.5	11.1	-7.7	312.6	314.0	0.4	19.7	11.2 134.	
21.8	£5. 6	6086.3	475.0	-20.1	-37.2	296.2	13.0	11.6	-5.7	313.1	314.2	0.3	20.0	12.3 132.	
23.3	58.9	6484.1	450.0	-23.7	-38.1	286.1	14.9	14.3	-4.1	313.5	314.6	0.3	24.8	13.5 131	٠.
24.9	62.3	6898.8	425.0	-27.3	-40.4	279.5	17.2	16.9	-2.9	314.0	314.9	0.3	27.2	14.9 126.	
26.7	65. d	7331.7	400.0	-31-1	-44.4	280.1	18.8	18.5	-3.3	314.5	315.1	0.2	25.4	16.5 124.	
28.6	69.4	7786.3	375.0	-34.4	-47.3	279.5	20.3	20.0	-3.4	316.1	316.6	0.1	25. 3	18.5 122.	
30.6	73.2	8265.4	350.0	-37.8	-50.3	274.3	18.1	16.0	-1.4	317.7	318.1	0.1	25.4	20.6 119.	
32.6	77.2	8772.7	325.0	-40.8	99.9	277.3	18.0	17.8	-2.3	320.4	999.9	99.9	999.9	22.7 117.	
34.5	81.3	9311.8	300.0	-45.6	99.9	275.8	19.1	19.C	-1.9	321.2	999.9	99.9	999.9	24.7 115.	
36.4	e5. 7	9890.6	275.0	-46.7	99.9	257.7	16.7	16.3	3.6	327.6	999.9	99.9	999.9	26.7 113.	
38. 7	90.5	10516.4	250.0	-50.3	99.9	241.7	21.0.	18.5	0.01	331.3	999.9	99.9	999.9	28.5 199.	
41.5	95.6	11202.0	225.0	-51.8	99.9	226.3	29.9	21.6	20.6	339.2	999.9	99.9	999.9	31.4 103.	
44.2	101.0	11959.8	200.0	-55.8	99.9	244.6	23.8	21.5	10.2	344.4	<b>999.9</b>	99.9	99 <b>9.</b> 9	34.4 97.	
47.7	107.3	12903.2	175.0	-57.9	99.9	259.0	23.4	23.0	4.5	354.3	999.9	99.9	999.9	39.4 95.	
51.4	114.0	13772.2	150.0	-57.3	99.9	256.B	28.0	27.3	6. 4	371.4	599.9	99.9	999.9	44.9 92.	
55.8	122.3	14912.9	125.0	-60.9	99.9	.269.6	25.2	25.2	0.2	384.7	999.9	99.9	999.9	52.2 90.	
61.1	131.0	16299.2	100.0	-59.7	99.9	273.4	25.4	25.4	-1.5	412.4	999.9	99.9	999.9	61.1 90.	
68.5	141.0	16115.2	75.0	-58.1	99.9	269.2	11.1	11-1	0.2	451.0	999.9	97.9	999.9	69.5 90.	
77.5	152.5	20639.1	50.0	-60.6	99.9	280.4	6.3	6.2	-1-1	500.8	999.9	99.9	999. 9	71.7 90.	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.3	911.9	999.9	999.9 999.	
												V.			

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPULATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 480 FORT TOTTEN. N Y

153 23. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT Ť	MX RTO.	RH	PANGE	AZ	
MIN		GFM	MB	DG C	DG C	ÐG	MISEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.2	6.0	1007.3	15.1	14.6	999.9	99.9	99.9	99.9	289.0	315e8	10.5	97.0	999. 9	999.	
0.1	5.7	69.9	1000.0	15.0	14.5	999.9	99.9	99.9	99. 9	289.5	316.4	10.5	97.2	999.9	999.	
0.8	7. 9	255.1	975.0	15.3	15.1	999.9	99.9	99.9	99. 9	292.1	320.9	11.2	98.3	999.9	999.	
1.7	10.1	505.6	950.0	14.3	14.0	999.9	99.9	99.9	99.9	293.1	320.7	10.6	98.2	999. 9	999.	
2.7	12.2	731.0	925.0	13.0	12.7	999.9	99.9	99.9	<b>49.9</b>	293.9	320.2	10.0	98.0	999.9	999.	
3.5	14.5	961.3	900.0	11.4	10.9	999.9	94.9	99.9	99.9	294.4	318.6	9.2	96.9	939, 9	939.	
4.4	16.5	1196.3	875.0	9.50	99.9	999.9	99.9	99.9	99.9	294.1	999.9	99.9	999.9	999. 9	999 <b>.</b>	
5. 3	18.9	1435,7	850.0	8.2*	99.9	99909	99.9	99.9	99.9	294.7	999.9	99.9	999.9	999. 9	999.	
6.2	21.1	1661.2	825.0	7.0*	99.9	999.9	99.9	99.9	99.9	296.0	999.9	99.9	999.9	999.9	999.	
7.2	23.5	1933.2	800.0	5.6+	99.9	999.9	99.9	99.9	99.5	297.2	999.9	99.9	999.9	999.9	999.	
8.1	25.8	2191.5	775.0	4.4*	99.9	999.9	99.9	99.9	99.9	298.5	999.9	99.9	999.9	979. 7	999.	
9-1	20.4	2457.7	750.0	3.0+	99.9	<b>399.9</b>	99.9	99.9	99.9	299.6	999.9	99.9	999.9	638° 8	999.	
10.1	31.0	2731.6	725.0	1.5	0.9	999.9	99.9	99.9	99.9	301.8	317.6	5.7	96.1	99 <b>9.</b> 9		
11.2	33.5	3014.2	700.0	0.3	-0.3	996.9	99.9	99.9	59. 9	303.5	318.7	5.4	95.9	999. 9		
12.4	36.1	3306.0	675.0	-0.3+	99.9	999.9	99.9	99.9	<b>59.9</b>	306.0	999.9	99.9	999.9	999. 9		
13.6	35. 3	3606.7	<b>350.0</b>	-2.2*	99.9	999.9	99.9	99.9	99 <b>.</b> 9	306.5	999.9	99.9	999.9	399. 3	999.	
14.6	43.4	3916.9	625.0	-4.2+	99.9	999.9	99.9	99.9	99.9	307.7	999.9	99.9	999.9	633. 9		
16.1	44.3	4237.2	600.0	-6.34	99.9	999.9	99.9	99.9	99.9	308.9	999.9	99.9	999.9	999.9		
17.4	47.2	4568.5	575.0	-8.5+	99.9	999.9	99.9	99.9	99. 9	310.1	999.9	99.9	999.9	999. 9	994.	
18.7	50.2	4911.7	550.0	-10.79	99.9	999.9	99.9	99.9	99.9	311.4	999.9	99.9	999.9	999.9		
19.9	£3. o	5267.8	525.0	-12.8=	59. 9	999.9	99.9	99.9	99.9	313.1	999.9	99.9	999.9	999. 9		
21.3	56. C	5638+1	500.0	-15.0+	99.9	999.9	99.9	99.9	99. 9	314.8	999.9	99.9	999.9	999. 9		
22.7	59. 3	6024.3	475.0	-17.40	ÿ\$3 <b>9</b>	999.9	99.9	99.9	99.9	316.4	999.9	99.9	999.9	99 <b>9.</b> 9		
24.2	62.6	6427.4	450.0	-19.9*	99.9	999.9	99.9	99.9	99.9	318.8	999.9	99.9	999.9	999. 3		
25.6	65.9	6849.1	425.0	-22.3	99.9	999.9	99.9	99.9	99. 3	320.4	999.9	99.9	999.9	999. 9	399,	
27.2	69.4	7292.3	400.6	-25.0*	99.9	999.9	99.9	99.9	59.9	322.6	999.3	99.9	999. 9	999 <b>.</b> 9		
28. 8	7300	7758.4	375.0	-28.6	-31.4	999.9	99.9	99.9	99. 9	323.7	326.2	0.7	76.5	979.9	979.	
30.6	76.€	8248.9	350.0	-32.3	-35.4	999.9	99.9	99.9	99.9	325.1	327.0	0.5	73.6	599 <b>.</b> 3	999.	
32 • 3	80-9	8766.9	325.0	-36.9	-40.6	999.9	99.9	99.9	99.9	325.7	320.9	0.3	67.9	999.9	995.	
34 <sub>9</sub> 5	85.0	9316.0	300.0	-41.1	99.9	999.9	99.9	99.9	99.9	327.5	999.9	99.9	999.9	646. 8		
36. 7	69.0	9900.4	275.0	-46.4*	99.9	999.9	99.9	99.9	59.9	328. L	999.9	99.9	999.9	999.9		
38.7	93.5	10526.9	25C.0	-51.5	99.9	996.9	99.9	99.9	99.9	329.6	999.9	99.9	999.9	999. 9		
41.2	98.4	11202-1	225.0	-57.0	99,9	999.9	99.9	99.9	9.9	331.2	999.9	99.9	999.9	939.9		
43.9	103.8	11937.7	200.0	-63.1	99.9	999.9	99.9	99.9	99.9	332.9	999.9	99.9	999. 5	999. 9	_	
46.8	109.5	12751 • 6	175.0	-66.6	99.9	999.9	99.9	99.9	99 <b>.</b> 9	340.0	999 49	99.9	999.9	999.9		
50.2	115.6	13695.5	150.0	-62.3	99.9	999.9	99.9	99.9	99.9	362• €	999.9	99.9	999.9	999, ç		
54.6	122.5	14825.5	125.0	-57.8	99.9	999.9	99.9	99.9	99.9	390.4	994.9	99.9	99 9 <b>.</b> 9	999. 5		
60.6	130-5	16235.3	100.0	-57.5	99.9	999.9	99.9	99.9	99.9	416.7	999.9	99.9	998.9	999.9	-	
68.7	139.0	18026.7	75.0	-63.9	99.9	999.9	99.9	99.9	99.9	439.0	999.9	99.9	999.9	999.9		
79.5	147.3	20539.6	50.0	-60.1	99.9	999.9	99.9	99.9	99.9	502.1	999.9	99.9	999.9	999.9		
97.2	156.3	24909.9	25.0	-55.7	99.9	999.9	99.9	99.9	99.9	625.0	999.9	99.9	999.9	9 <b>99.</b> 9	999,	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 518 ALBANY. N Y

#### 25 APRIL 1975 515 GPT ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

TIME	CNTCT	PETGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GP#	MS	DG C	DG C	DG	M/SEC	M/SFC	M/SEC	ùG K	DG K	GM/KG	PCT	KM	DG
0.0	6. 1	86.0	1000.2	10.9	8.1	310.0	6.7	5.1	-4.3	284.5	302.4	6.8	83.0	0.0	0.
0.0	6-1	87.7	1000.0	10.9	8.1	309.4	6.6	5.1	-4.2	284.9	302.4	6.8	82.9	0.0	2.
0.8	£. 4	296.7	975.0	9.5	7.4	265.6	3.0	3.0	0.2	285.6	302.8	6.7	86.6		114.
1.6	1 C. 6	514.9	950.0	10.0	8.6	326.1	7.9	4,2	-6.7	288.3	307y 5	7.4	91,1		120.
2.5	12.9	737.1	925.0	10.4	5.8	332.5	5.6	2.7	-5.1	290.9	311.1	7. 7	89.7		130.
3, 2	15.2	966.0	900.0	10.8	6.8	304.5	8.4	6.9	-4.5	293.5	312.0	6• 9	76.5		132.
4.0	17.5	1200.7	875.9	9.2	7.7	287.9	9.4	9.0	-2.7	294.4	314.6	7.6	90.2		127.
4.9	19.9	1441.0	850.0	7.9	6.9	277.0	9.2	9.2	-1.1	295.4	315.2	7.4	93.1		122.
5.8	22. 2	1087.3	825.0	6.6	5.7	271.9	7.9	7.9	-0.3	296.4	315.3	7.0	94. C		118.
5.6	24.5	1939.8	800.0	4.9	4.0	275.6	6.3	6.3	-0.6	297.2	314.6	6.4	93.7		115.
7.5	27. 1	219E.7	775.0	3.3	2.4	275.1	7.5	7.8	-0.7	298.1	314.3	5. 9	93.8		113.
3.4	29. 5	2463.8	750.0	1.7	-7.7	273.4	0.3	8.3	-0.5	298.8	307.0	2.9	49.7		111.
. 9.2	32.4	2737.5	725.0	1.4	-16.7	27e.3	0.3	e. 3	-0.9	301.2	305 • 5	1.4	24.6		110.
20.1	35.2	3019.2	700.0	-0.2	-17.0	279.9	.6.9	8.7	-1.5	302.5	30 ó • 8	1.4	26.5		104
11.2	37.6	3309.1	675.0	-2.3	-25.0	205.3	9.5	9.1	-2.5	303.2	305.5	0.7	15.6		108.
12.7	40.5	3606.1	650.0	-3.1	-50.5	282.5	8.3	8.1	-1.8	305.4	305.6	0.1	1.2		136.
14.1	43.3	3917.6	625.0	-4.3	-52.6	269.6	8.4	8.4	0.1	307.6	307.7	0.0	1.0		107.
15.5	46.3	4238.0	600.0	-6.4	-54.0	265.4	10.3	10.2	0 - 5	308.7	308.8	0.0	1.0		194.
16.7	49. 3	4569.2	575.0	-B-4	-45,7	276.4	12.0	11.9	-1.3	310.1	310.5	0.1	3.2		103.
17.8	52.1	4911.5	550.0	-11.6	-37.1	290.1	13.6	12.9	-4.7	310.4	311.3	0.3	9. 9		103.
19.1	55.3	5266.2	525.0	-15-1	-32.2	294.6	15.0	13.6	-6.2	310.3	311.9	0.5	21.6		104.
20.3	58.4	5632.8	500.0	-1e.2	-25.0	297.8	15.8	13.9	- F. 4	310.9	314.1	1.0	55.1		195.
21.7	61.5	6014.7	475.0	-20.1	-24.6	282.0	14.6	18.2	-3.9	313.2	316.7	1.1	67.3		196 •
23-2	65.2	6414.8	459.0	-21.7	-25.3	264.7	25.5	25.4	2.3	316.0	319.7	1.1	74.7		104.
24.8	68.6	6834.6	425.0	-23.6	-29.0	257.4	30.8	30.1	6.7	316.6	321.6	Q. 8	61.0		100.
26.4	72.0	7275.1	400.0	-26.8	-31.3	255.4	30.9	29.9	7.8	320.2	322.5	9.7	65.4	20. 1	
26.0	76. C	7737.3	375.0	-30.5	-37.9	251.3	33.6	31.6	10.8	321.2	322.5	U. 4	47.8	22. 9	94.
29.6	60.0	6524.8	350.0	-33.6	-39.6	244.9	32.6	29.6	13.6	323.4	324.6	0.3	53.1	25. B	
31.3	£3.9	8749.4	325.0	-37.9	-44.3	241.0	32.2	25.3	15. J	324.4	325.3	0.2	50.2	28. 8	
33.3	68.3	0.6856	300.0	-42.7	99.9	239.5	33.2	28.6	16.8	325.2	999.9	99.9	999.9	32.4	
35.4	92.8	9865.2	275.0	-48.6	99. 7	239.7	36.0	31 • 1	16.1	324.9	999•9	99.9	599 <b>.</b> 9	36. 5	
37.6	97.4	10485.0	250.0	-53.2	99.9	245.0	36.0	34.4	16. 1	326.9	999.9	99.9	999.9	40.7	
39.8	102.5	11155.8	225.0	-58.1	99.9	244.5	43.4	39.2	1 e • 7	329.5	999.9	99. 9	999.9	46.4	78.
42.9	108.3	11891.3	200.0	-62.0	99.9	255.1	40.3	38.9	10.3	334.7	999.9	99.9	999.9	54. 7	77.
40.2	114.0	12715.5	175.0	-62.3	99.9	. 264.9	38.1	35.0	3.4	347.1	999.9	99.9	. 999.9	63.4	77.
49.7	120.7	13676.0	150.0	-58.8	99.9	268.5	28.3	28.3	0.7	368.8	999.9	99.9	999.9	70.4	78.
54.1	128.0	14822.2	125.0	-58.0	99.9	273.5	27.0	26.9	-1.€	389.9	999.9	99. 9	999. 9	76. 9	
59.6	136.3	16234.1	100-0	-5 6 • 5	99.9	284.3	22.8	22.1	-5.6	416.6	999.9	99.9	599 <b>.</b> 9	84.7	
66.3	144.7	18052.3	75.0	-58.7	99.9	295.8	13.4	12.1	-5, 8	449.9	999.9	99.49	999.9	94.4	
75.3	154.0	20590.8	50.0	-57.2	99.9	337.6	4.8	1.5	-4.4	508.8	999.9	99.9	999.9	98. 2	
89.8	163.7	24998.7	25.0	-53.6	99.9	58.2	4.4	-3.7	-2.3	631.l	999.9	99.9	999.9	95.5	550

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATICH NO. 520 PITTSBURG, PA

### 25 APRIL 1975 515 GMT

							515 G	MT					1:	59 150	• 0
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPZED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	
MIN		GFM	MB	DG C	DG C	DG	MISEC	M/SE C	M/SEC	DG K	DG K	GP/KG	PCT	KH	DG
0.0	7.9	359.0	971.0	12.0	9.9	300.0	3.1	2.7	-1.5	288.6	309.1	7.9	87.0	0.0	c.
99.9	99. 3	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	997.9	999.
99.9	99. 7	99.9	975.0	99.9	69.9	99.7	99.9	99.9	99.9	99.9	999.9	99.9	999.9	935. 5	999.
0.6	9.9	542.7	950.0	11.6	11.2	999.3	99.9	99.9	99.9	290.1	313.0	8.8	97.0	999.9	994.
1.4	12.2	766.6	925.0	12.6	11.0	999.9	99.9	99.9	eg. 9	293.6	317.1	9.0	88.7	999. 9	999.
2.1	14.3	996.9	900.C	11.6	9.8	304.2	4.3	3.6	-2.4	294.6	317.2	8.5	89.0	207	151.
2.9	17-1	1232.8	875.0	10.4	9.3	290.6	6.1	5.7	-2.1	295.7	318.2	8.5	92.8	0.9	141,
3.7	19. 5	1474.0	850.0	0.6	7.8	283.4	7.0	6.8	-1.6	296.2	317.2	7.6	94.2	1.1	132.
4.5	22.3	1720.6	825.0	6.6	5.9	265.9	6.0	5-6	-1.6	296.5	315.6	7.1	95.2	1.4	126.
5. 3	25. 2	1973.0	800.0	5-1	4.3	290.0	7.3	6.8	-2.5	297.4	315.2	6.5	95.0	1.7	123.
6.2	27.5	2232.4	775.0	4.6	3.4	287.9	9.7	9.2	-3.0	299.6	317.0	6.3	91.8	2 • 1	120.
7. 3	30.4	2499.1	750.0	2.7	0.8	284.3	10.4	10.1	-2.6	300 <b>.</b> 3	315.4	5.4	86.8	2. 7	117.
8.1	33.2	2773.0	725.0	0.6	-3.0	200.1	11.5	10.9	-3.6	300.6	312.1	4.0	72.8	3.3	115.
9.0	35.8	3053.8	700.0	-1-1	-13.6	297.0	12.6	11.3	-5.7	301.5	307.2	1.9	36.0	4. 0	114.
10.1	38.5	3343.3	675.0	-1.7	-22:6	298.0	13.3	11.6	-6.3	303.8	306.7	0.9	18.1	4.9	115.
11.0	41.4	3647.1	650.0	-2.6	-23.7	297.6	12.5	11.1	-5.8	306.2	308.9	0.9	17.8	5.6	115.
12.0	44.5	3952.9	625.0	-4.7	-27.1	300.6	11.7	10.1	-6.0	307.1	309.3	0.7	15.4	6.3	116.
13.1	47.7	4272.7	600.0	-7.0	-29.7	299.3	11.9	10.3	-5.8	308.0	309.8	0.5	14.4	7.0	116.
14.1	50.7	4603.0	575.0	-9.5	-30.2	294.9	11.7	10.6	-4.9	308.6	310.5	0.5	16.8	7. 9	117.
15.3	54.0	4944.8	550.0	-11.5	-27.1	288.9	10.8	10.2	-3.5	310.5	312.9	0.7	25.9	6.6	116.
16.5	57. 1	5300.4	525.0	-13.6	-21.4	289.9	13.3	12.5	-4.5	312.0	316.2	1.3	52,3	9.3	115.
17.7	60.5	5670.7	500.0	-15.0	-26.8	280.6	19.3	18.3	-6.1	314.€	31748	0.9	37.2	10.6	115.
19.0	64.1	6055.6	475.0	-17.7	-44.5	265.5	24.4	23.5	-t. 5	316.0	316.6	0.1	7.4	12.1	114.
20.3	67.7	6459.4	450.0	-20.1	-58.0	280.8	28.9	28.4	-5.4	317.9	316-1	0.0	2.6	14.3	112.
21.6	71.2	6882.3	425.0	-21.4	-63.6	279.6	34.1	33.6	-5.7	321.5	321 • 5	0.0	1.0	16.8	110.
23.2	75-2	7326.3	400.0	-24.8	-65.8	284.2	37.1	35.9	-9.1	322.7	322.8	0.0	1.0	20.0	109.
24.8	79.2	7791.6	375.0	-29.4	-57.6	284.3	37.6	36.6	-9.3	322.6	322.8	0.0	4.6	23.6	108.
26.4	63.2	8279.8	350.0	-33.7	-56.4	265.2	42.3	40.8	-11.1	323.3	323.5	0.0	8 • C	27.7	128.
20.3	e7. 3	8794.0	325.0	-38.6	99.9	258.4	40.5	38.5	-12.6	323.4	999.9	99.9	999.9	32.2	108.
30.3	92.0	9338.3	300.0	-43.0	99.9	287.9	46.5	44.2	-14.3	324.7	999.9	99.9	999.9	37.4	198.
32.3	96.5	9919.8	275.0	-47.0	99.9	283.0	46.6	45.4	-10-4	327.1	999.9	99.9	999.9	47.0	178.
34.6	101.4	10546.0	250.0	-50.3	99.9	271.1	40.7	40.6	-0. F	331.3	999 <b>.</b> 9	99. 9	<b>99</b> 9• 9	48.7	106.
36.9	106.5	11224.7	225.0	-56.2	99.9	265.8	38.1	38.0	2.8	332.4	999.9	99.9	999. F	54.5	104.
39.3	112.3	11965.5	200.0	-60.0	59.9	262.0	45.1	44.7	6. J	337.8	999.9	99.9	<del>9</del> 99•9		103.
42.1	118.3	12767.5	175.0	-64.1	99.9	261.1	30.1	29+8	4.7	344.2	999.9	99.9	999.9	65.7	100.
44.9	125.0	13743.6	150.0	-61.3	99.9	259.5	21.4	21.0	3.9	364.4	999.9	99. 9	999.9	71.3	100.
48.6	131.5	14680.1	125.0	-58.1	99.9	272.5	27.9	27.9	-1.2	389.8	999.9	99.9	999.9	77.2	
53.0	138.5	16285.0	100.0	-57.2	99.9	278.5	17.4	17.2	-2.6	417-4	999.9	99. 9	699 <b>.</b> 9	e3. 9	986
58.5	145.6	18054.4	75.0	-62.5	99.9	242.6	10.7	9.5	4.9	441.8	999.9	99.9	999.9	87.3	9 %
66.3	153.5	20609.3	50.0	-58.1	99.9	289.6	8.1	7.6	-2.7	506.7	999.9	99.9	999.9	88.8	97.
79.1	161.7	25029.8	25.0	-53.1	99.9	92.6	2.7	-2.7	0.1	632.4	999.9	99.9	999.9	87. 7	96.

<sup>.</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

321

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 528

17.

159

TIME CNTCT E POT T HE I GHT PRES TEMP DEW PT DIR SPEED U CUMP V CEMP POT T MX RTO RH RANGE A Z MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 5. 6 218.0 989.2 6.1 3.3 360.0 2.6 0.0 -2.6 280.8 293.4 4.9 82.0 0.0 0. 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 0.3 6.8 336.7 975.0 348.5 -7.1 281.4 293.1 77.4 0.0 100. 5.6 1.9 7.2 1.4 4.5 281.5 1.1 5.0 548.6 950.0 3.6 2.3 357.8 6.0 0.2 -6.0 293.8 4.7 90.7 0.2 171. 12.8 10.9 765.1 925.0 -0.9 -4.1 282.5 294.9 4.8 96.2 0.4 178. 1.8 2.5 2.0 4.2 986.2 900.0 359.5 3.7 0.0 -3.7 283.0 294.5 4.4 97.2 0.6 183. 2.5 13.1 0.9 0.5 297.7 71.8 0.7 175. 15.2 1213.9 875.0 -1.8 305.1 3.8 -2.7 287.3 3. 9 3.3 2.9 4.6 17.3 1449.2 850.0 -6.3 312.5 7.3 -4.9 290.9 298.8 2.8 46.3 0.9 152. 4.0 4.2 5.4 4.7 10.5 1692.5 825.0 4.8 -10.7 310.4 7.2 5.5 -4.7 294.0 299.8 2.0 30.9 1.2 156. 21.6 5.5 1943.3 800.0 4.8 -16.0 294.5 8.9 8.1 -3.7 296.4 300.5 1.4 20.4 1.5 148. 6.2 24.0 2201.4 775.0 3.5 -12.2 298.7 11.2 9.9 -5.4 297.8 303.4 1.9 30.6 1.9 141. 7.0 26.2 2466.5 750.0 -2206 298.5 -5.6 298.9 301.5 9.8 14.0 2.4 15/ . 2.1 12.2 10.8 725.0 295.7 301.3 304.7 3.1 132. 7.5 28.7 2740.0 -19.9 11.6 10.4 -5.0 1 . 1 18.4 1.6 31.2 3021.7 700.0 0.1 -23.0 290.0 10.7 10.1 -3.7 302.7 305.4 0.9 1546 3.6 129. 8.8 33.8 10.9 306.7 3312.1 -22.9 289.3 -3.6 303.9 0.9 17.8 4.2 126. 9.6 675.0 -1.6 10.2 3611.3 -24.3 287.4 305.1 307.7 0.8 18.2 4.8 124. 36.2 650.0 -3.5 11.6 11.1 -3.5 10.6 305.9 35.9 -25.3 308.4 5.4 122. 11.5 3919.9 625.0 -5.8 284.4 12.7 12.3 -3.2 0.8 19.7 309.5 307.5 4238.8 600.0 -7.5 -28.6 282.3 0.6 6.1 120. 12.4 41.4 13.1 12.8 -2.8 16.5 310.1 4569.5 575.0 -3.5 308.2 0.6 19.2 6.8 118. 13.4 44.2 -10-1 -29.2 284.5 14.0 13.5 14.3 47.1 4905.1 550.0 -13.1 -30.9 283.0 15.0 14.6 -3.4 300.5 310.3 0.5 20.7 7.7 116. 309.6 15.3 50.1 5261.8 525.0 -15.7 -31.6 282.8 14.3 14.0 -3.2 311.3 0.5 23.9 8.6 115. 500.0 -17.3 -28.4 290.5 ÷5.7 311.4 313.8 9.6 114. 26.6 53.0 5628.3 16.1 15.1 0.7 38.5 475.0 17.7 56.0 6009.6 -21.1 -27.4 288.2 17.9 17.0 -5.6 311.9 314.6 0.8 56.6 10.8 114. 19.8 59.3 6406.2 450.0 -24.3 -28.2 279.8 17.3 17.0 -3.0 312.7 315.4 0.6 69.7 12.0 113. 20.2 62.7 6820.7 425.0 -27.4 -32 . 1 271.1 16.0 -0.3 313.9 315.9 0.6 64.2 13.2 111. 16.0 21.6 7254.1 400.0 -30.4 -34.9 269.6 17.4 17.4 0.1 315.5 317.2 0.5 63.8 14.5 109. 66.0 23.0 69.7 7710.8 375.0 -33.2 -39.2 275.7 22.0 21.9 -2.2 317.6 318.8 0.3 54.7 16.1 107. 24.6 73.3 9193.1 350.0 -36.3 -53.8 266.8 23.2 23.2 1.3 319.7 320.0 0.1 14.4 18. 2 106. 26.3 77.5 8703.0 325.0 -40.7 99.9 263.0 24.0 23.8 2.9 320.7 999.9 99.9 999.9 20.5 193. 24.0 81.4 9242.6 300.0 -45-2 99.9 257.9 23.1 22.6 4.8 321.6 999.9 99.9 999.9 22.7 101. 30.0 85. 7 9817.2 275.0 -50.2 99.9 259.7 24.2 23.8 4.3 322.5 999.9 99.9 999.9 25.3 .98. 32.0 90.4 10432.1 250.0 -55.0 99.9 260.4 27.4 27.0 4.6 324.4 999.9 99.9 999.9 28.4 96. 95.4 11103.2 225.0 -56.5 99.9 264.5 30.1 30.0 2.9 332.0 999.9 99.9 999.9 32.2 95. 34.2 36.8 100.8 11846.6 200.0 -58.3 99.9 262.3 33.9 33.6 4.5 340.5 999.9 99.9 999.9 37.0 93. 999.9 106.8 12682.7 175.0 -59.1 59.9 265.0 34.4 34.3 3.0 352.4 999.9 99.9 42.6 92. 39.6 43.0 113.3 13657.2 150.0 -55.1 99.9 264.5 27.5 27.6 2. 7 375c 2 999.9 99.9 999.9 48.7 91. 264.3 392.3 999.9 99.9 999.9 91. 46.9 120.7 14818.4 125.0 -56.7 99.9 21.1 21.0 2.1 54.3 999.9 52.0 129.3 16237.7 100.0 -56.1 99.9 269.3 20.5 20.5 0.2 419.4 999.9 99.9 61.1 90. 999.9 99.9 999.9 443.6 67.0 90. 58.4 139.0 18053.0 75.0 -61.7 99.9 267.8 15.2 15.2 0.6 999.9 90. 20592.1 -57.9 305.8 7.9 -4.6 507.1 99.9 999.9 70. 7 66.7 149.0 50.0 99.9 6.4

-52e0

99.9

77.4

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80.0

155.7

25022.8

-3.6

-0.8

635.7

3.6

999.9

999.9

99.9

68.9

**52**.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 532 PEORIA. ILL

159 12. 0

	TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	, MX RTO	PH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG .	
	0.0	5.6	200.0	989.2	8.9	5.6	50.0	6•2	-4.7	-4.0	283.7	298.7	5.8	80.0	0.0	0.	
	99.9	99.3	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	69.9	99.9	999.9	99.9	999.9	999.9		
	0.5	6.6	319.7	975.0	7.8	6.0	56.7	11.2	-9.4	-6.2	203.€	299.4	5.0	88.2		235.	
	1.3	6.6	533.7	950.0	6.9	6.6	58.4	10.1	-B.6	-5.3	285.1	301.8	6.5	98.6		236.	
	2.2	1 C. 6	755.0	925.0	10.1	10.1	999.9	99.9	99.9	99.9	290.8	312.8	8.5	101.6	999.9		
	3.0 -	12.6	983.6	900.0	10.5	10.5	999.9	99.9	99.9	99.9	293.5	317.0	8.9	101.1	999. 9		
	3.0	14.7	1218.9	875.0	10.0	9.9	999.9	99.9	99.9	99.9	295.4	318.8	8.8	99.6	999. 9		
	4.8	16.6	1460.5	850.0	9.5	8.8	234.7	4.5	3.7	2.6	297.2	319.8	8.4	95.9	1.0	256.	
	5.8	18.7	1707.9	825.0	7.5	4.9	250.9	3.4	3.2	1.1	297.4	315.4	6.6	83.4			
•	6.6	20.9	1961.8	800.0	7.3	5.0	253.2	2.4	2.3	0.7	299.8	318.6	6.9	85.3	0.6	263.	
	7.5	23.3	2222.9	775.0	6.0	0.3	239.9	2.1	1.8	1.0	300.9	315-1	5 • 1	67.2	0.5	268.	
	8.6	25.5	24 90 . 8	750.0	3.9	-2.2	240.2	1.9	1.6	0.9	301.4	313.8	4.4	64.4	0.4	276.	
	9.5	27.8	2765.5	725.0	2.2	-7.5	246.1	1.5	1.3	0.6	302.3	311.0	3.0	48.7	0.3	280.	
٠.	10.6	30.2	3048.5	700.0	0.6	-9.8	293.1	2.2	2.0	-0.8	303.5	311.2	2.6	45.3	0.2	294.	
	11.5	32.8	3330.6	675.0	-1.4	-7.9	999.9	99.9	99.9	99.9	304.5	313.6	3.1	61.0	999.9	933.	
	12.6	35.3	3639.3	650.0	-4.0	-8.7	999.9	99.9	99.9	99.9	304.8	313.7	3.0	69.6	999. 9	993.	
	13.9	37.7	3948.0	625.0	-5.7	-10.7	999.9	99.9	99.9	59.9	306.2	314.3	2.7	68.0	999.9	999.	
	15.1	40.4	4267.6	600.0	-7.1	-19.7	999.9	99.9	99.9	99.9	308.1	312.3	1.3	35.8	999.9		
	16.3	42.9	4597.3	575.0	-10.4	-21.5	280.9	11.3	11-1	-2.1	308.0	311.7	1.2	39.5	2. 9	109.	
	17.5	45.9	4938.2	550.0	-12.6	-21.3	273.7	9.9	9.8	-0.6	309.2	313.2	1.3	47.9	3. 7	107.	
	18.6	46.6	5291.2	525.0	-15.7	-22.3	266.0	10.0	10.0	0.7	309.6	313.5	1.2	57.1	4.2	104.	
	19.7	51.4	5657.8	500.0	-17.8	-28.5	266.9	14.8	14.8	0.3	311.4	313.8	0.7	38.2	4.9	101.	
	20.8	54.5	6039.6	475.0	-20.4	-33.2	268.9	18.9	18.9	C. 4	312.7	314.3	0.5	30.8	6. 1	29.	
	22.1	57.5	6437.4	450.0	-23.6	-34.9	266.0	20.4	20.3	1.4	313.6	315.1	0.4	34.1	7. 6	97.	-
	23.4	60.8	6853.3	425.0	-26.0	-41.3	260.8	23.3	23.0	3.7	315.7	316.5	0.2	22.1	9. 3	95.	
	24. 9	64.1	7289.2	400.0	-28.6	-68.3	259.5	27.6	27.1	5.0	317.7	317.7	0.0	1.0	11.4	92.	
	26.3	67.6	7748.4	375.0	-32.1	-70.6	259.3	33.1	32.6	6.2	319.0	319.0	0.0	1.0	14.0	59.	
	27.9	71 - 1	6232-1	350.0	-35.3	-46.0	252.8	43.6	41.7	12.9	321.1	321.7	0.2	32.2	17.3	87.	
	29.4	75.0	8745.2	325.0	-37.8	-42.7	243.1	52.5	46.B	23.7	324.5	325.5	0.3	59.4	21.5	83.	
	31.2	79.2	9292.6	300.0	-41.7	99.9	234.7	54.5	44.5	31.4	326.6	999.9	99.9	999.9	27.1	78.	
	33. 1	83.2	9876.7	275.0	-46.4	99.9	232.2	52.9	41.8	32.4	328.1	999.9	99.9	999.9	32.7	73.	
	35.0	67. 5	10502.4	250.0	-51.7	99.9	233.6	56.9	45.8	33.8	329.3	999.9	99, 9	999.9	38. 6	70.	
	37.2	92.5	11179.7	225.0	-55.9	99.9	230.3	67.3	51.8	43.0	332∙€	999.9	99.9	999.9	46.7	67.	
	39.9	97.3	11918.0	200.0	-61.0	99.9	237.9	64.9	55.0	34.5	336.1	999.9	99.9	999.9	56. 9	64.	
	42.7	103.3	12739.8	175.0	-65.5	99.9	254.8	51.94	50.1	13.6	341.9	999.9	99.9	999•9	67. B	65.	
	46.1	109.8	13688.5	150.0	-61.4	99.9	270.0	35.5*	35.5	-0.0	364.3	999.9	99.9	999.9	75 <sub>e</sub> 6	67.	
	50.6	116-7	14823.3	125.0	-61.5	99.9	265.7	30.8*	30.7	2. 3	363.6	999.9	99.9	999.9	82.9	59.	
	56.2	125. 3	16217.3	100.0	-59.0	99.9	265.0	22.3*	22.2	1.9	413.8	999.9	99.9	999.9	88. 9	71.	
	62.8	135.0	18017-6	75.0	-61.4	99.9	250.4	13.1+	12.3	4.4	444.2	999.9	99.9	999.9	96.6	73.	
	72.6	145.5	20525.5	50.0	-60.0	99.9	106.7	2.6	+2.5	0.7	502.2	999.9	99.9	999.9	99. 6	72+	
	88.5	157.0	24917.2	25.0	-53.8	99.3	55.9	6.5	-5.4	-3.6	629.9	999.9	99.9	999.9	100.C	72.	

\* BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG.

STATION NO. 553 QMAHA. NEA

25 APRIL 1975 538 GMT

146 31. 0

1	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	7.3	400.0	963.7	12.1	10.3	30.0	4.1	-2.0	-3.6	289.4	310.7	8.2	89.0	0.0	0.	
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
	99.0	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
	0.5	8. 2	521.0	950.0	14.4	12.7	37.8	6.3	-3.8	-5.0	293.1	318.7	9.8	89c 8	0.2	308.	
	1.2	10.1	746.4	925.0	13.3	11.6	159.0	0.5	-0.2	0.5	294.1	318.7	9.4	89.9	0.2	257.	
	2• 1	11.9	976+7	900.0	11.4	10.3	215.0	3.8	2.2	3. 1	294.4	317.6	8.8	92.9	0.2	326.	
	3.0	13.9	1212.0	875.0	10.1	9.1	2 32.9	5.6	4.4	3.4	295•J	317.5	8.3	93.5	0. 3	9.	
	3.8	15.3	1453.1	850.0	9.7	3.5	257.9	6.1	5.9	1.3	297.0	312.9	5.8	65.5	0.6	35.	
	4.8	17.9	1700-7	825.0	8.2	1.1	290.4	6.7	6.3	-2. 3	297.9	311.9	5.0	60 · 8	0. B	58.	
	6.2	20.0	1953.8	800.0	6.1	0.9	296•9	8.2	7.3	-3.7	298.3	312.5	5.1	69.3	1.3	82.	
	7.3	22.0	2213.2	775.0	4.1	-1-1	302.4	9.7	8.2	-5,2	298.8	311.5	4.6	69.0	1.8	95.	
	6.4	24.2	2479.4	750.0	2.6	-9.8	297.3	9.4	8.3	-4.3	299.7	306.8	2.4	39. 7		100.	
	9.4	26.2	2752.5	725.0	0.4	-17.9	300.6	11.7	10.1	-6.0	300-1	304.0	1.3	23.6		104.	
	10.6	28.5	3032.7	700.0	-2.1	-19.4	303.1	15.1	12.6	-8.2	300.3	303.9	1.2	25.0		109.	
	11.7	30.9	3320.9	675.0	-2.2	-36.1	300.1	17.5	15.1	-8.8	303.2	304 • 1	0.3	5. 7		112.	
	12.9	33.3	3620.8	650.0	-2.3	-38.7	294.4	21.8	19.9	-9.0	306.4	307-1	0.2	4.1		113.	
	13.9	35.7	3931.1	625.0	-4.1	-44-1	290.6	23.9	22.4	-8.4	307.7	308.2	0.1	2.7		113e	
	15.1	38.1	4251.3	600.0	-6.5	-42-1	287.9	25.7	24.4	-7.9	308.6	309.2	0.2	3.9		112.	
	16.3	40-6	4582-1	575.0	-9.4	-43.5	287.4	26.0	24 · 8	-7. B	309.0	309.4	0.1	4.2	11.3		
	17.5	43.3	4923.4	550.0	-12.5	-45.0	291.5	26.3	24.5	-9•6	309.2	309.7	0.1	4.6	13.3		
	18.8	46.0	5276.2	525.0	-15.8	-44.9	296.2	25.3	22.7	-11.2	309.4	309.9	0.1	6.1	15.2		
	20.2	49.0	5641.5	500.0	-18.9	-45.3	293.7	28.7	26.2	-11.5	309.9	310.4	0.1	7.6	17.5		
	21.4	51.7	6021.5	475.0	-21.8	-47.2	291.6	30.9	26.8	-11-4	310,9	311.3	0.1	7.9		112.	•
· **.	22.8	54.9	6417.0	450.0	-24.9	-48.4	297.9	29.5	26.1	-13. A	311.9	312.3	0.1	9. 1	22. 1		
	24.2	57.6	6829.9	425.0	-28.4	-53-1	298.4	31.3	.27.5	-14.9	312.6	312.8	0.1	7.2	24.8		
	25.7	61.0	7261.1	400.0	-31.8	-54.6	301.8	33.4	28.4	-17.6	313.5	313.7	0.1	8.4	27.6		
	27. 3	64.5	7714.2	375.0	-35.4	-55.9	302.9	33.3	28•0	-18.1	314.6	314.8	0.0	10.2	30.9		
	29.0	67.9	8190.5	350.0	-39.5	99.9	303.7	33.1	27.5	-12.4	315.5	999.9	99.9	999.9	34.3		
	30.8	71.5	8693.0	325.0	-43.9	99.9	306.1	34.0	27.5	-20.0	316.2	999.9	99.9	999.9		115.	
	32.9	75.5	9225.2	300.0	-48.2	99.9	294.5	26.8	24.4	-11.1	317.5	999.9	99.9	999.9		117.	
	35.1	79.5	9793.6	275.0	-51.9	99.9	283.9	29.1	28.3	-7.0	320.1	999.9	99.9	999.9		116.	
	37.7	64.2	10405.9	250.0	-54 . 9	99.9	280.3	25.9	25.5	-4.7	324.4	999.9	99.9	999.9	49.9		
	40.0	88.5	11076.3	225.0	-54.4	99.9	276.1	31.6	31.5	-3.3	335.1	599.9	99.9	999.9		114.	
	42.7	54.2	11832.1	200.0	-53.6	99.9	262.2	22.3	22.1	3.0	347.9	999.9	99. 9	999.9	56. 9		
	45.6	99.9	12685.6	175.0	-55.6	99.9	259.1	24.9	24.5	4.7	358.1	999.9	99.9	999.9	60.4		
	49.3	106.0	13664.9	150.0	-57.5	99.9	267.6	23.5	23.5	1.0	371.0	999.9	99.9	999.9	66.2		
	53.4	113.3	14804.6	125.0	-60.9	99.9	277.1	30.2	29.9	-3.7	384 s E	999•9	99.9	999.9	72.2		
	56.1	121.7	16189.4	100.0	-61.1	99.9	267.2	25.9	25.9	1.3	409.7	999.9	99.9	999.9	79. 3		
	64.5	132.0	18003.7	75.0	-56.7	99.9	273.3	14.0	13.9	-0.8	454.1	999.9	99.9	99 9. 9		104.	
	72.5	14300	20562.2	50.0	-58.0	99.9	242-7	5.5	4.9	2.5	506.8	999.9	99.9	999.9		105	
	99. 9	99. 9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 606 PORTLAND. ME

GMT 158 18. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	4:
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.6	20.0	1007.7	6.1	6.1	360.0	2.6	0.0	-2.6	279.4	294.3	5.9	100.0	0.0	0.	
0.2	6.1	83.1	1000.0	6.6	6.3	999.9	99.9	99.9	99.9	280.5	295.7	6.0	98.2	999. 9	979.	
0.9	8.3	290.8	975.0	5.6	5.6	999.9	99.9	99.9	99.9	281.5	296 • 5	5.9	101.3	999 <b>.</b> 9	999.	
1.7	10.5	504.4	950.0	8.0	8.0	999.9	99.9	99.9	99.9	286.2	304.7	7.2	101.6	999. 9	999.	
2.5	12.5	726.4	925.0	10.6	10.6	259.1	10.3	10.1	1.9	291.2	313.9	8.7	101.9		194.	
3.3	. 15.0	954.6	900.0	9.3	9.3	269.1	9.2	9.2	0.1	292.2	313.8	8.2	101.8	1.1	94.	
4.2	17.2	1188.7	875.0	8.5	8.5	289.6	10.0	9.5	-3.4	293.6	314.8	8.0	101.4	1.6	96.	
5.0	19.5	1428.4	850.0	7.3	6.0	287.4	10.7	10.2	-3.2	294.7	313.4	7.0	91.6	2.1		
5.8	21.9	1674.0	825.0	5.9	3.7	279.6	10.3	10.1	-1.7	295.6	312.1	6.1	85.6	2.6	101.	
6.7	24.2	1925.9	800.0	4.6	2.8	267.5	11.2	11.2	0.5	296.8	312.8	5.9	87.9	3.2	99.	
7.5	26.5	2184.4	775.0	2.8	1.9	259.2	12.5	12.2	2. 3	297.5	313.1	5.7	94.0	3. 8	97.	
8. 5	29.1	2449.4	750.0	0.8	0.8	250.6	12.1	11.4	4.0	298.2	313.1	5.4	99.7	4.5	9.3•	
9.4	31.7	2721.7	725.0	-0.7	-0.7	244.9	1,2.1	10.9	5. 1	299.4	313.3	5.0	99.5	5.0	90.	
10.3	34.3	3000.8	700.0	-3.0	-19.2	248.6	11.7	10.9	4.3	299.3	303.0	1.2	27.5	5• f	87.	
11.4	36.9	3288.5	675.0	-3.5	-49.2	263.5	11.5	11.5	1.3	302.1	302.4	0.1	2.4	. 6∙ 3	660	
12.4	39.6	3586.7	650.0	-3.7	-52.3	271.4	12.9	12.9	-0.3	304.8	304.9	0.0	. 1.0	7-1	66.	
13.4	42.2	3895.7	625.0	-5.0	-53.1	270.5	13.7	13.7	-0+1	306.7	306.B	0.0	1.0	7.9	97.	
14.4	45.1	4215.1	600.0	-7.3	-54.6	269.2	13.7	13.7	0+2	307.6	307.8	0.0	1.0	9. 7	87.	
15.5	48.0	4544.7	575.0	-10e0	~56∙2	267.8	13.4	13.4	0.5	368.3	308.4	0.0	1.0	9. 7	97.	
16.7	50.9	4885.9	550.0	-12.5	-57.9	27104	12.6	12.6	-0.3	309.2	309.3	0.0	1.0	10.6	97.	
18.1	54.0	5239.4	525.0	-15.0	-59.5	271.9	13.0	12.9	-0.4	310.3	310.4	0.0	1.0	11.6	88.	
19.3	56.9	5606.4	500-0	-18.0	-61.4	265.0	14.5	14.4	1.3	311.0	311.1	0.0	1.0	12.6	98.	
20.8	60.3	5988.5	475.0	-19.8	-58.9	262.1	15.9	15.7	2. 2	313.4	313.6	0.0	2.3	14.0	87.	
22.2	63.6	6387.8	450.0	-22.6	-64.3	268.1	17.3	17.3	0.6	314.8	314.9	0.0	1.0	15.3	87.	
23.5	66.9	6804.3	425.0	-25.2	-33.4	274.1	19.9	19.9	-1.04	316.7	318.6	0.6	49.2	16.8	38.	
25.0	70.3	7243.4	400.0	-26.8	-31.7	262.8	20.8	26.6	3.4	320.2	322.5	0.7	62.7	18.0	88.	
26.5	73.9	7706.2	375.0	-30.1	-35.5	255.9	33.1	32.1	8. 1	321.7	323.4	0.5	59.2	21.6	87.	
28.2	77.7	8193.8	350.0	-33.7	-39.6	251.9	33.7	32.0	10.5	323.3	324.5	0.3	54.9	24.8	85.	
29.9	P1.5	8709.2	325.0	-37.7	99.9	249.2	36.3	33. 9	12.9	324.7	999.9	99.9	999.9	28.4	83.	
32.0	€5• 6	9255.0	300.0	-42.5	99.9	252.5	35.5	33.8	10.7	325.0	999.9	99.9	999.9	32.6	81.	
34.2	90 • 0	9835+A	275.0	-47.9	59.9	255.0	38.7	37.4	10.9	325.9	999.9	99.9	599.9	37.7	80.	
36.7	94.3	10457.8	250.0	-53.3	99.9	258.2	41.2	40.3	8.4	326.9	999.9	99.9	999.9	43.7	80.	
39.3	99• 5	11128.8	225.0	-58.4	59.9	258.7	42.4	41.6	e. 3	329.0	999.9	99.9	999.9	50.0	eo.	
41.9	104.6	11858.4	200.0	-64.4	99.9	265.2	48.8	48.6	4.1	330.9	999.9	99.9	999.9	57.2	80.	
44.8	110.4	12675.7	175.0	-62.0	99.9	275.5	39.7	39.5	-3.8	347.7	99 <b>9</b> .9	99.9	999.9	65.3	81.	
48.1	116.5	13635.2	150.0	-59.9	99.9	275.0	20.2	20.2	-1.8	366.9	999.9	99.9	999.9	7C • 6	82.	
52.7	123.7	14778+5	125.0	-59+1	99.9	263.6	21.0	20.8	2. 3	388.0	999.9	99.9	999.9	76.2	83.	
58.4	131.3	16166.0	100.0	-55.5	99.9	292.7	23.3	21.5	-9.0	420.5	999.9	99.9	999.9	83.2	84.	
66.2	140.0	18023-1	75.0	-56.6	99.9	316.3	10.9	7.5	-7.9	454.3	999.9	99. 9	999.9	90.8	57.	
76.4	149-0	20583.2	50.0	-57.4	99.9	86.9	2.2	-5.2	-0-1	508-2	999.9	99.9	999.9	95.6	88.	
93.9	159.0	24994.7	25.0	-52.6	<b>99.9</b>	146.4	2.5	-1.4	2. 1	633.6	999.9	99. 9	999.9	94.3	89.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERFOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 637 FLINT, WICH

25 APRIL 1975 600 GMT

163 17. 0

TIME	CATCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	КЧ	n G	
0.0	5.7	236.0	987.8	5.6	1.7	50.0	2.6	-2.0	-1.7	280.3	291.7	4.4	76.0	0.0	J.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	29.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.3	6.7	343.0	975.0	6.0	0.2	49.3	4.7	-3.6	-3.1	281.7	292.2	4.0	66.6	0.1	2094	
0.9	8.8	555.5	950.0	4.7	2.0	45.7	5.2	-3.8	-3.7	282.6	294.7	4.7	82.6	0.3	21 6.	
1.6	1C.8	772.3	925.0	2.5	1.2	44.9	7.4	5 <b>.</b> 2	-5. 2	282.5	294.3	4.5	91.1	9.5	551.	
2.4	13.0	993.3	900.0	0.8	-0.0	50.5	7.4	-5.7	-4.7	282.8	294.0	4.2	94.4	0.9	224.	
3.1	15.2	1219.9	875.0	1.7	0.2	72.9	4.0	- 3.8	-1.2	286.2	238.0	4.5	89.7	1.2	225.	
3.9	17.4	1454.8	850.0	3.7	-2.6	246.0	1.3	1.2	0.5	290.5	300.8	3.8	54.4	14.1		
4.7	19.6	1698.2	825.0	4.9	-7.0	314-1	3.3	2.4	-2.3	294.1	301.6	2.6	39∙8	1.1		
5.4	21.8	1948.9	800.0	4.0	-5.0	286.6	4.6	4.4	-1.5	295.8	305.1	3.3	51.9	1.1		
6.3	24.3	2206.5	775.0	2.8	-4.7	279.6	6.4	6.3	-1.1	297.2	307.1	3.5	57.8	1.0	201.	
7.1	26.5	2471.5	750.0	2.6	-31-6	278.2	7.6	. 7.6	-1.1	299.5	300 <b>•7</b>	0.4	6.1		: 191.	
7.9	29.0	2745.2	725.0	2.1	-26.5	272.1	9.1	9-1	-0.3	, 301.€	303.7	0.6	9.8	1 . 1	151.	
8.9	31.6	3027.5	700.0	0.3	-24-7	268.8	9.7	9.7	0.2	302.9	305.3	0.7	13.5		137.	
9.9	34.3	3317.7	675.0	-1.8	-21.2	273.2	10.0	10.0	-0.6	303.€	307.0	1.0	20.9	1.8	124.	
10.8	36.7	3616.9	650.0	-3.6	-26.0	273.1	10.8	10.8	-0.6	305.0	307.2	0.7	15.6	2.3	11 %	
11.6	39.5	3925.5	625.0	-5.8	-28.7	273.5	10-6	10.6	-0.7	305.9	307.8	0.6	14.3	2. 9	112.	
12.7	42-1	4244.0	600.0	-8.0	-27.7	277.2	10.1	10.1	-1.3	306.9	309.1	. 0 • 6	18.7	3.5	109.	
13.7	45.1	4573.0	575.0	-10.7	-28.2	273.0	10.3	10.3	-C.5	307.6	309.7	0.6	22.0	4.1	108.	
14.7	48.1	4913.5	550.0	-13-1	-26.1	264.4	11.4	11.3	1.1	308.6	311.2	0.8	32.5		105.	
15.5	51.0	5266.0	525.0	-15.5	-32.3	270.8	10.9	10.9	-0.1	309.8	311.4	0.5	22.1		102.	
17.0	54.1	5632.2	500.0	-18.8	-32.6	283.9	10.2	9.9	-2.5	310.2	311.8	0 • 5	28.5		13.2	
18.2	57.1	6012-1	475.0	-22.0	-29.5	280.4	11.0	10.8	-2.0	310.8	313.1	0.7	50.3		192.	
19.4	60.4	6409-1	450.0	-24.7	-29.7	275.5	12.3	12.3	-1.2	312.2	314.6	0.7	63.1		105.	
20.7	64.0	6821.5	425.0	-27.9	-30.3	264.9	14.3	14.2	1 • 3	313.3	315.7	0.7	79.6	ۥ 8		
22.1	67.4	7254.8	400.0	-31.1	-31.9	263.5	19.1	19.0	2.2	314.6	316.8	9.7	91.9	10.1	95.	
23.7	71.0	7709.3	375.0	-34.4	-41.0	265.2	21.5	21.5	1.8	316.1	317.0	0.3	50.4	12.0	96.	
25.1	74.9	8199.8	350.0	-37.2	-46.5	269.5	29.6	29.6	0.2	318.5	319.1	0.2	36.8	14.1		
26.5	79.2	8697.7	325.0	-41.5	99.9	269.5	36.7	36.7	0.1	319.4	999.9	99.9	999.9	17.0		
28.1	8332	9234.6	300.0	-46.5	99.9	269.6	41.6	41.6	0.3	319.8	999.9	99.9	999.9	20.5		
20.1	e7.6	9806.8	275.0	-50.8	99.9	270.3	52.5	52.5	-0.3	321.7	999.9	99.9	999.9	26. 3		
32.1	92.4	10423.1	250.0	-52.3	99.9	266.7	53.8	53.7	3.1	328.4	999.9	99.9	999.9	32.9		
34.5	97.5	11099.6	225.0	-55.7	99.9	266.1	08.0	67.9	4.6	333.1	999.9	99.9	999.9	41.3		
36.6	103.0	11845.0	200.0	-59.6	99.9	266.5	52.7		3. 2	338.4	999.9	99.9	999.9	49.2		
39.6	109.3	12683.8	175.0	-58.1	99.9	272.4	32.2	32.1	-1.3	354.1	999.9	99.9	999.9	57.1		
43.2	115.8	13652.8	150.0	-58.1	99.9	265.5	26.8	26.7	2•1	370 • 1	999.9	99.9	999.9	63.1		
47.5	123.7	14806.0	125.0	-56.6	99.9	256.9	24.9	24.3	5.7	392.5	999.9	99. 9	999.9	70.2		
52.5	132.0	16225.3	100.0	-57.0	99.9	268.9	20.5	20.5	0.4	417.6	999.9	99.9	999.9	76.8		
50.1	141.5	18030.0	75.0	-62.1	99.9	244.7	11-1	10.1	4.8	442.7	999.9	99.9	999.9	81.8		
6962	152.0	20572.6	50.0	-58.0	99.9	21.9	3.5	-1.3	-3.2	506 <b>•</b> 8	999.9	99.9	999.9	84.5		
81.6	163.0	24995.8	25.0	-51.7	99.9	75.2	1.9	-1.8	-0.5	636.2	999.9	99.9	999.9	83. 4	. 88•	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 645 GREEN BAY, WIS

25 APRIL 1975

			515 6	MT			154	12. 0
TIME CHTCT	HEIGHT PRES	TEMP DEW PT				E POT T NX RTO	RH R	ANGE AZ
MIN.	GFM MB	DG C DG C	DG M/SEC	M/ SEC	M/SEC DG K	DG K GM/KG	PCT	KM DG
0.0 6.9	210.0 991.5	3.3 2.4	80-0 2-1	-2.1	-0.4 277.7	289.5 4.6	94.0	0.0 0.

TIME	CNTCT	HEUGHT	PRES	TEMP	DEM PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	NXRTO	RH	RANGE		
MIN		GFM	MB	DG C	DG C	DG	H/SEC	M'SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	6.9	210.0	991.5	3.3	2.4	80-0	2.1	-2.1	-0.4	277.7	289.5	4.6	94.0	0.0	0.	
99.9	99.9	99.9	1000-0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.6	8.4	346.3	975.0	3.0	2.2	85.6	6.5	-8.4	-0.6	278-8	290.6	4.6	94.3	0.1	220.	
1.4	10.5	556.9	950.0	2.2	1.4	01. i	9.9	-9.8	-1.5	280.0	291.5	4.5	94.3	0.5	263.	
2.2	12.6	771.9	925.0	0.7	0.3	68.0	10.0	-9.2	-3.7	280.6	291.6	4.2	96.6	1.0	260.	
3.0	14.9	992.6	900.0	2.0	-2.8	47.5	9.9	-7.3	-6.7	284.0	293.2	3.5	70.4	1.4	252.	
3.9	17.0	1220.6	875.0	3.2	-9.8	55.7	5.5	-4.6	-3.1	287.4	293,2	2. 1	37.8	1.5	246.	
4.7	19. 3	1456.1	850.0	3.9	-9.3	65.9	2.7	-2.7	-0.2	290.5	296.8	2.2	37.4	2.0	247.	
5.7	21.5	1699.2	825.0	2.8	-9.2	96.5	0.4	-0.4	0.0	291.8	298 • 4	2.3	40.8	2.0	248.	
6.7	23.9	1946.6	800.0	1.3	-7.6	155.0	1.2	-0.5	1.1	292.8	300.4	2.7	51.4	2. 1		
7.7	26.2	2201.5	775.0	0.5	-25.4	257.8	0.6	0.6	0.1	294.4	296.4	0.6	12.6		250.	
8.6	28.7	2464.7	750.0	0.5	-49.6	280.4	3.3	3.3	-0.6	297.2	297.3	0.1	100	1. 9	249.	
9.5	31.2	2735.9	725.0	-0.4	-48.9	293.6	4.6	4.2	-1.5	299.0	299.2	0.1	1.2	1.8		
10.6	33.9	3015.3	700.0	-2.0	-43.0	298.2	7.2	6.3	-3.4	300.3	300.7	0.1	2.5		233.	
11.7	36.2	3303.2	675.0	-4.4	-12.7	297.3	7.3	6.4	-3.3	301.0	307.3	2.1	52.1		214.	
12.5	39.0	3599.2	650.0	-6.4	-18.3	295,2	7.7	7.0	-3.3	301.8	306.1	1.4	38.2		196.	
14.0	41.6	3904.9	625.0	-8.2	-40.0	293.1	9.6	8.8	-3.7	303.0	303.9	0.2	7.5	1.7		
15.1	44.3	4220.7	600.0	-10-1	-50.0	278.9	8.7	8.6	-1.3	304.4	304.5	0.1	3.6		158.	
16.4	47.3	4547.0	575.0	-12.6	-35.6	277.9	9.8	6.8	-1.2	305.3	306.4	0.3	13.0		144.	
17-6	50.2	4865.0	550.0	-14.8	-40.2	281.5	11.1	10.9	-2.2	306.5	307.2	0.2	9.3		134.	
19.0	52. 1	5235.5	525.0	-16-9	-39-1	276.5	10.8	10.7	-1.3	308.1	309.0	0.2	12,5		126.	
20.3	56.0	5599.3	500.0	-20.0	-31.0	271.8	9.7	9.7	-0.3	308.7	310.6	0.6	36.5		120.	
21.8	55.3	5977.3	475.0	-23.3	-32.9	279.4	12.9	12.7	-2.1	309.2	310.9	0.5	40.6		116.	
23.2	62.7	6371.0	450.0	-26.1	-39.3	276.6	13.9	13.8	-1.6	310.4	311.4	0.3	27.5		113.	
24.6	65.9	6781.8	425+0	-29.0	-44.3	272.1	15.9	15.9	-0.6	311.7	312.4	0.2	21.1		110.	
26-1	69.4	7212-5	400.0	-32.4	-53.4	264.0	17.8	17.7	1.9	312.8	313.1	0 • 1	10.2		107.	
27.6	72.9	7664.2	375.0	-36.0	-54.8	262.0	17.3	17-1	2.4	313.9	314.1	0.1	12.2		103.	
29.1	76.9	8139.3	350.0	-40.0	99.9	257.3	20.2	19.7	4.4	314.7	999.9	99.9	999.9	12.1	190.	
30.9	80.6	8641.1	325.0	-44.4	99.9	253.4	23.9	23.0	6.8	315.6	999.9	99.9	999.9	14.3		
22.9	84.8	9172.0	300.0	-48.8	99.9	250.9	28.2	26.7	9.2	316.6	999.9	99.9	999.9	17.2	92.	
35.1	89.0	9738.3	275.0	-53.0	59.9	251-1	30.2	28.6	9.8	318.4	999.9	99.9	999.9	20.9		
37.6	93.8	10346.6	250.0	-57.3	99.9	247.4	31.1	28.7	11.9	320.9	999.9	99.9	999.9	25.3		
40.0	Se. 6	11015.8	225.0	-55.9	99.9	247.5	37.9	35.0	14.5	332.€	999.9	99.9	999.9	30.2		
42.7	103.8	11769.4	200.0	-53.5	99.9	256.7	35.7	34.7	8.2	348.0	999.9	99.9	999.9	36.4		
45.8	109.5	12620.6	175.0	- 55. 1	99.9	255.7	27.5	26.7	6.8	359.0	999.9	99.9	999.9	41.7		
49.4	115.5	13607.1	150.0	-55.5	99.9	252.7	30.7	29.3	9.1	374.5	999.9	99.9	999.9	47.4	79.	
53.6	122.3	14768-5	125.0	-57.1	99.9	268.6	23.8	23.8	0. 6	391.6	999.9	99.9	999.9	53.8	79.	
58.9	130.0	16179.2	100.0	-54.0	99.9	283.6	19.8	19.3	-4.7	423.5	999.9	99. 9	999.9	60.5	80.	
65.3	137-8	18013.3	75.0	-56.9	99.9	224.6	10.6	7.5	7.6	453.8	999+9	99.9	999.9	64.8		
74.3	146.0	20580.5	50.0	-55.7	99.9	293.7	4.0	3.6	-2-6	512.1	999.9	99.9	999.9	66.9		
88.3	154.5	25025-1	25.0	-52.6	59.9	67.2	2.5	-2.3	-0.9	633.5	999.9	99.9	999.9	66.4	79.	

<sup>\*</sup> BY SPEED PEANS ELEVATION ANGLE BET WEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654 HURON. S D

124

					The second second		J. J	-	1.5				••	, 0,	, ,	
TIME	CATCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KY	DG	
0.0	8.8	392.0	966.5	7.2	5.5	360.0	0.0	0.0	0.0	283.9	299.0	5.9	89.0	0.0	.0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.5	10.1	534.5	950.0	8.0	7.4	107.4	8.4	-8.0	2.5	286.2	303.9	5.6	95.5	0.2	238.	
1.2	12.1	754,5	925.0	6.8	6.2	110.7	9.0	-8.4	3.2	267.1	303.9	6.4	95.7	0.5	271.	
1.9	14.2	980.5	900.0	7.4	4.2	109.3	7.5	-7.0	2.5	289.9	305.1	5.7	79.9		280.	
2.7	16e I	1212.4	875.0	6.3	4.1	91.8	6.0	-6.0	0.2	291.1	306.9	5.9	,85.5			
3.4	18.3	1450.0	850.0	4.7	4.0	58.5	5.8	-4.9	-3.0	291.9	307.5	6.0	94.7		276.	
4.3	20. 5	1693.5	825.0	3.6	1.3	43.9	6.0	-4.2	-4.3	293.1	306 •∕9	5e 1	84.7	1.6	267.	
5.1	22.6	1942.7	800c #	2.3	-2.4	24.3	2.9	-1.2	-2.6	294.2	305,3	4.0	71.2			
6.0	25.0	2199.6	775.0	2.5	-10.8	318.8	3.5	2.3	-2.6	296.B	303.0	2.2	36.5		259.	
6.8	27.1	2464.5	750.0	1.6	-13.2	319.1	5. I	3.3	-3.8	298.5	304.0	1.8	32.3		252.	
7.8	29.5	2737.0	725.0	0.4	-20.0	313.0	7.7	5.6	-5.3	300.0	303.3	1 • 1	19.9		239.	
8.7	32.0	3017.3	700.0	-1.0	-32.3	309.3	9.1	7.1	-5.6	301.4	302.5	0.4	7.1		221.	
9.7	34.5	3306.3	675+0	-3.4	-36.4	309.4	10.3	7•9	-6.5	301.9	302.7	0.2	5.6		198.	
10.7	36. 9	3603.5	650.0	-5.1	-33.1	313.9	11.0	8.0	-7.7	303.2	304.4	0.4	9-1		181.	
11.7	39.6	3910.3	625.0	-6.7	-37.3	321.3	12.1	7.6	-9.5	304.8	305.8	0.3	8.3		159.	
12.8	42.0	4228.2	600.0	-7.9	-27.9	331.0	13.3	6.5	-11.7	307-1	309.1	0.6	18.0		163.	
14.1	44.9	4557.6	575.0	-10-1	-30.0	332.6	13.8	6.4	-12.3	308.2	310.0	0.5	17.7		161.	
15.3	47.8	4898.2	550.0	-13.0	-36.4	328.2	16.0	8.5	-13.6	308.7	309.7	0.3	11.9		159.	
16.6	50.5	5250.8	525.0	-16.0	-40.0	326.1	17.7	9.9	-14.7	309.2	309.9	0.2	10.6		157.	
17.8	53+5	5616.0	500.0	-19.2	-41.0	320.9	19.0	12.0	-14.7	309.6	310.3	0.2	12.4		154.	
19.1	56.4	5995.0	475.0	-22.6	-43.3	317.1	19.3	13.2	-14.2	310.0	310.6	0.2	13.0		152.	
20.5	59.8	6388.7	450 00	-26.2	-47.1	314,5	19.4	13.9	-13.6	310.2	310.7	0.1	11.8		149.	
21.9	63.1	6799.8	425.0	-28.6	-53.3	326.7	20.9	11.5	-17.5	312.3	312.6	0.1	7.1	12.6		
23.4	66.4	7231.5	400.0	-31.7	-57.9	326.3	23.7	13.2	-19.7	313.7	313.9	0.0	5.5	14.7		
25.0	70.0	7684.3	375.0	-35.2	-60.0	324.3	25.6	14.9	-20.8	314.9	315.0	0.0	5.9		145.	
26.7	73.7	8161.1	350.0	-39.3	-60.7	323.1	27.8	16.7	-22.3	315.7	315.8	0.0	8.1	19.6		
28.6	77.7	8664.0	325.0	-43.7	99.9	325.7	30.2	17.0	-25.0	316.5	999.9	99.9	999.9		1470	
30.6	81.8	9196.9	300.0	-47.6	99.9	321.0	30.0	18.9	<del>-</del> 23 <b>.</b> 3	318.2	999•9	99.9	999.9		1470	
32.4	86.0	9765.1	275.0	-52.5	99.9	315-1	27.0	19.1	-19.1	319.2	999.9	99• 9	999.9		145.	
34.7	90.8	10378.1	250.0	-55.3	99.9	314.0	31.9	22.9	-22.1	323.8	999.9	99.9	999.9		144.	
37•3	95.8	11045.5	225.0	-58.2	99.9	305.8	28+2	22.9	-16.5	329.4	999.9	99.9	999.9		143.	
40.2	101.3	11789.1	200.0	-55-2	99.9	308.4	23.5	18.4	-14.6	345.3	999.9	99• 9.	999.9		141.	
43.0	107.5	12641.5	175.0	-55.9	99.9	270-1	20.2	20.2	-0.0	357.7	999.9	99.9	999.9		139.	
46.6	114.0	13621.6	150.0	-54.9	99.9	273.2	21.1	21.1	-1.2	375.5	999.9	99.9	999.9		135.	
50.9	121.7	14782.3	125.0	-55.8	99.9	278.7	19.6	19.4	-3.0	394.0	959.9	99.9	999.9		131.	
55.9	130.3	16192.6	100.0.	-57.7	99.9	999.9	99.9	99.9	99.9	416.3	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 655 ST CLOUD. MINN

							515 G	MT					. 1	58 11	• 0	
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB	DG C	DG C	CG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	7.0	316.0	979.3	6.3	4.8	70.0	**1	-3.9	-1.4	281.8	296.0	5.5	90.0	0.0	. 0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9			
0.2	7.4	352.3	975.0	6.5	4.7	86.4	5.7	-5.7	-0.4	282.4	296.5	5. 5	88.2			
1.0	9.7	565.8	950.0	6.2	2.9	103.9	9.2	-9.0	2.2	284.2	297.1	5.0	79.0		274.	
1.8	11.5	784.2	925.0	5.4	2.6	116.2	8.0	-7.2	3. 5	285.4	298.6	5.0	B2.4			
2.7	14.3	1008.0	900.0	4.0	2.7	140.7	5.7	-3.6	4.4	266.3	299.9	5.2	90.8			
3.6	16.5	1237.0	875.0	2.8	2.3	146.5	5.3	-2.9	4.5	287.3	301.0	5.2	96+6		297.	
4.4	19.0	1471.3	850.0	1.1	0.6	125.5	4.9	-4.0	2.8	287.9	300.5	4.7	96.3			
5. 3.,	21.3	1711.4	825.0	0.4	0.1	134.8	5.3	-3.8	3.7	289.6	302.1	4.7	97.7			
6.3	23.9	1958.1	800.0	-0.6	-0.9	177.7	3.2	-0-1	3.1	291.1	303.2	4.5	97.8		303.	
7.2	26.2	2211.9	775.0	-1.5	-1.6	265.1	2.7	2.7	0.2	292.8	304.8	4.4	98.7			
8.2	29.0	2472.4	750.0	-3.5	-3.7	269.7	4+6	4.6	0.0	293.3	304.0	3.9	98.4		310.	
9.3	31.7	2740.3	725.0	-4.8	-5.0	265.6	5.1	8.1	0.6	294.7	304.9	3.6	98.2		319.	
10.3	24.4	3015.8	700.0	-6.5	-7.1	261.2	9.5	9.4	1.5	295.6	304.7	3.2	95. 9			
11.3	37.0	3299.4	675.0	-8.0	-10.3	258.1	9.3	9.1	1.9	297.0	304.4	2.6	83.1	1.5	0.	
12.4	3 % • 3	3591.5	650.0	-10-2	-19.7	262.4	7.9	7.8	1.0	297.6	301.3	1,2	45.6	1.7	19.	
13.5	42.6	3893.4	625.0	-11.2	-15.8	263.6	0.5	6.5	0.7	299.9	305.2	1.6	68.5	2.0	33.	
14.7	45.6	4206.0	600.0	-12.5	-21.6	278.0	4.4	4,4	-0.6	301.7	305.2	1.1	46.5	2. 2	41.	
15.9	48.6	4529.9	575.0	-14.5	-24.1	312-1	3.6	2.7	-2.4	303.1	306.1	0.9	43.7	2.3	48.	
17.2	51.6	4865.1	550.0	-17.3	-23.5	311.1	3.4	2.6	-2.2	303.7	306.9	1.0	58.5	2. 3	55.	
10.5	54.9	5212.4	525.0	-19.3	-24.9	267.8	3.9	3.9	0.2	305.3	308.4	1.0	61.0	2.4	60.	
19.7	58.0	5573.8	500.0	-21.4	-29.3	267.7	4.6	4.6	0.2	307.0	309.2	0.7	48.5	2.7	62.	
21.1	£1.4	595C.3	475.0	-24.4	-32.0	270.1	5.2	5•2	-0.0	307.8	309.5	0.5	49.2	3. 1	66.	
22.5	65.0	6341.7	450.0	-27.7	-35.7	266.0	6.8	6.8	0.5	308.4	309.7	0.4	46.1	3. 6	68.	
24.0	68.4	6750.1	425.0	-31.2	-36.9	262.4	6.1	6.0	0.8	309.0	310.3	0.4	56.6	4- 1	71.	
25.5	72.0	7176.4	400.0	-35.1	-39.7	254.3	.4.1	4.0	1.1	309.3	310.3	0.3	61.4	4.6	72.	
27.1	76.0	7623.1	375.0	-38.9	-43.6	221.4	3.9	2.6	2.9	310.1	310.8	0.2	60.1	5.0	71.	
28.7	80.0	8092.4	350.0	-43.0	99.9	191.0	3.1	0.6	3.0	310.8	999.9	99.9	999•9	5. 2	68.	
30.5	84.2	8586.5	325.0	-47.9	59.9	196.9	5.0	1.5	4.B	310.7	999.9	99.9	999.9	5. 4	65.	
32.3	25.4	9111.9	300.0	-50.3	9949	210.2	6.9	3.5	6.0	314.5	999.9	99.9	999.9	6. 0	60.	
34.3	93.0	5677.2	275.0	-52.4	99.9	246.4	8.0	7.3	3.2	319.3	999.9	99.9	999.9	6.8	60.	
36.5	56.0	10289.1	250.0	-53.0	59.9	265.2	12.7	12.7	1.1	327.2	999.9	99.9	999.9	8.0	62.	
38.7	103.0	10964.3	225.0	-54.8	99.9	268.3	14.2	14.2	0.4	334.6	999.9	99.9	999.9	9. 6	66.	
41.5	108.8	11717.3	200.0	-55.0	59.9	278.6	16.3	16.1	-2.4	345.7	999.9	99.9	999.9	12. 1	72.	
44.5	114.0	12571.4	175.0	-54.6	99.9	264.0	19.3	19-1	2.0	359.8	999.9	99.9	999•9	15.3	75.	
48.0	121.3	13555.7	150.0	-55.4	99.9	264.2	22.0	21.9	2.2	374.6	999.9	99.9	999.9	19.4	78.	
52.0	128.3	14718.0	125.0	-56.1	99.9	266.1	17.6	17.5	1.2	393.4	999.9	99.9	999.9	24.2	80.	
56. 8	136.0	16134.5	100.0	-55.9	99.9	272.1	18.4	18.4	-0.7	419.7	999.9	99.9	999.9	29.2	80.	
62.8	143.3	17963.4	75.0	-55.6	99.9	258.8	3.5	3.4	0.7	456.4	999.9	99. 9	999.9	33.2	82.	
71.4	151.3	20540-6	50.0	-55.7	99.9	272.3	3.2	3.2	-0-1	512.3	999 • 9	99.9	999.9	<b>33.</b> 3	82.	
85.8	159.7	25003.3	25.0	-52.8	99.9	339.4	4.9	1.7	-4.6	633.3	999.9	99.9	999.9	34. 1	86.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETBEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662 RAPID CITY. S D

25 APRIL 1975

							515 GWT						1	31 49	• 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	14.2	966.0	902.1	4.4	2.3	200•0	1.5	0.5	1.4	286.5	299.7	5.0	86.0	0.0	Ċ.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	59. 9	99.9	950.0	99.9	99.9	95.9	99.9	99.9	99.9	99•9	999.9	99.9	999.9	999. 9	
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
0-1	14.4	985.2	900.0	4.9	2.4	999.9	99.9	99.5	59.9	287.2	300.6	5-1	84.0	999. 9	
0.8	16.4	1216.5	875.0	6.4	4.3	999.9	99.9	99.9	99.9	291.2	307.1	6.0	86.3	999. 9	
1.6	10.6	1454.4	850.0	5.8	0.3	999.9	99.9	99.9	99.9	292.8	305.4	4.6	68.0	999.9	
2.4	20.8	169921	825.0	5.6	-1.6	156.9	2.7	-1-1	2.5	295.0	306.5	4.1	60.0		30 7.
3.2	23.1 25.3	1950.2 2208.4	800.0 775.0	4.2	-0.9	184-1	5.5 7.7	0.4 3.3	5.5	296.2	308.6 308.7	4.5	69.8		317. 332.
4.0	27.7	2475.1	750.0	4.0 4.5	-4.5 -12.6	205.4			7.0 3.6	298.6 301.7	307.5	3.6 2.0	55.0 28.2	10 i 10 2	
5.8	30.1	2751.2	725.0	4.3	-18.4	253.2	11.2	10.6 12.3	3.7	304.4	308.2	1.2	17.3	1.5	
6.9	32.6	3035.5	700.0	2.0	-23.7	240.8	11.3	9.8	5. 5	304.8	307.4	0.8	12.7	2.1	36.
7.9	35.3	3327.8	675.0	0.2	-25-1	244.5	11.5	10.3	4.9	305.9	308.3	0.7	12.8	2.7	
8.9	37.7	3629.1	650.0	-1.0	-26.5	247.8	11.5	10.9	4.5	307.0	309.2	0.7	13.0	3.4	47.
9.8	40.3	3939.5	625.0	-4.6	-28.6	250.5	11.4	10.7	3. 5	307.2	309.1	0.6	13.3	4.0	5C •
10.5	42.9	4258.9	600.0	-7.5	-30.7	252.5	11.4	10.9	3.4	307.4	309.0	0.5	13.5	4.6	
11.7	45.7	4588.3	575.0	-10.6	-33.0	252.2	11.3	10.8	3.5	307.6	309.9	0.4	13.6	5. 2	-
12.8	48.6	4928.0	550.0	-13.9	-35.4	257.4	11.1	10.8	2. 4	307.6	308.6	0. 3	14.1	5.9	
13.9	51.4	5279.6	525.0	-16.7	-37.6	260.6	10.4	10.3	1.7	308.3	309.3	0.3	14.4	6.6	
15.2	54.4	5644.1	500.0	-19.4	-39.6	261.2	11.8	11.7	1.8	309.4	310.2	0.2	14.6	7.4	63.
16.6	57.2	6023.8	475.0	-21.6	-41.3	257.6	14.4	14.1	3. 1	311.2	312.0	0.2	14.8	8.4	65.
17.8	60.3	6420.3	450.0	-24.3	-43.4	254.3	13.0	12.5	3.5	312.6	313.2	. 0.2	15.1	9.4	66.
19.2	63.6	6833.7	425.0	-28.0	-46.3	253.1	14.4	13.8	4.2	313.0	313.5	0.1	15.4	10.6	_
20.7	66.5	7266.1	460.0	-31.1	-41.4	252.9	14.5	13.9	4.3	314.6	315.4	0.2	35.0	11.8	
22.2	70.3	7720.7	375.0	-34.0	-37.9	259-1	15.6	15.3	3.0	316.5	317.8	0.4	67.4	13.2	
23.9	73.9	9199.4	350.0	-38.5	-42.3	263.3	18.2	18.0	2. 1	316.6	317.7	0.3	67.1	14.9	70.
25.7	77.7	8704.3	325.0	-42.7	99.9	265.3	18.3	18.2	1.5	317.6	999.9	99.9	999.9	16.9	71.
27.4	81.5	9239.7	300.0	-47.1	99.9	271.8	20.7	20.6	-0.7	319.0	999.9	99.9	999.9	18.7	73.
29.4	85.7	9809.1	275.0	-52.2	99.9	271.2	22.2	22.1	-0.5	319.6	999.9	99.9	999.9	21.0	75.
31.0	90.2	10418.5	250.0	-57.3	99.9	269.0	26.4	26.4	0.5	320.9	999.9	99.9	999.9	23. 2	77.
33.0	95.0	11080.7	225.0	-59.9	99.9	271.9	35.9	35.6	-1.2	326.€	999.9	99.9	999.9	26. 9	79.
35.4	100.0	11213.9	200.0	-61.7	99.9	283.7	33.9	33.0	-8.0	335.1	999.9	99. 9	999.9	32. 1	. 52.
37.3	105.3	12635.4	175.0	-66.0	99.9	282.3	20.5	20.0	-4.4	341.0	999.9	99.9	999.9	34.6	84.
40.1	111.3	13592.9	150.0	-59.3	99.9	259.6	20.3	19.9	3, 7	368.0	<b>999.9</b>	99.9	999.9	38.0	84.
43.5	118.0	14741.7	125.0	-57.8	99.9	260.9	18.4	18.2	2.9	390.4	999.9	99.9	999.9	42.4	84.
47.4	125.8	16144.9	100.0	-58.8	59.9	258.2	11.0	11.6	2.4	414.3	999.9	99.9	999.9	45. 9	
53.4	134.7	17968.4	75.0	-55.5	99.9	268.7	5.4	6.4	0, 1	456.7	999.9	99. 9	999.9	50 • 2	
61.8	143.5	20553.2	50.0	-55.3	99.9	999.9	99•9	99.9	99.9	513.1	999.9	99.9	999.9	999. 9	997.
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999• 9	999.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DIG

# STATION NO. 11001 MARSHALL SPACE FLIGHT CENTER

25 APRIL 1975

525 GMT

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SF C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	6• 2	180-0	993.5	22.2	19.0	190.0	6.2	1.1	6. 1	297.8	334.7	14.1	82.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.7	7.9	343.0	975.0	19.8	18.0	197.1	15.8	4.6	15.1	296.9	332.3	13.5	89.4	0.5	18.	
1.7	10.1	567.2	950.0	18.4	17.5	211.8	19.5	10.2	16.6	297.7	332.8	13.4	94.0	1.5	23.	
2.5	12.1	796.3	925.0	17.8	16.3	215.4	21.4	13.3	16.7	299.2	333.0	12.7	91.0	2. 6	28.	
3.5	14.4	1031.2	900.0	16.7	14.7	227.6	16.4	12.1	11.1	300.3	331.9	11.8	88.2	3. 5	32.	
4.3	16.5	1271.4	875.0	15.2	12.6	232.2	16.3	12.9	10.0	301.0	329.5	10.6	84.3	4.3	36.	
5.3	18.9	1516.8	850.0	13.3	11.1	235.0	14.1	11.5	8.1	301.4	328.1	9.8	86.6	5. 1	39.	
6.3	21.0	1767.8	825.0	11.2	9.9	235.2	14.5	11.9	8. 3	301.7	327.2	9.4	91.7	6.0	41.	
7.4	- 23.5	2024.5	800.0	8.8	7.6	238.3	11.8	10.0	6.2	301.6	324.3	8.3	92.3	6.8	43.	
8.4	25.8	2287.1	775.0	7.2	6.7	237.5	12.3	10.4	6.6	302.6	324.5	8.0	96.9	7.5	44.	
9.5	28.4	2556.8	750.0	6.3	1.2	233.8	14.5	11.7	6.5	304.2	320.4	5.8	72.8	8. 3	46.	
10.3	30.9	2936.1	725.0	8.4	-16.2	232.5	15.6	12.4	9.5	308.8	313.6	1.5	16.1	9. 1	46.	
11.3	33.6	3125.2	700.0	7.1	-22.3	231.6	14.3	11.2	8.9	310.5	313.5	0.9	10.3	10.0	47.	
12.3	36.1	3422.6	675.0	4.6	-25.8	231.4	14.2	11.1	8.9	310.9	313.2	0.7	8.8	10.9	47.	
13.5	38.9	3729.4	650.0	2.2	-27.4	234.2	17.4	14.1	10.2	311.5	313.6	0.6	8.9	11.9	47.	
14.6	41.5	4043.5	625.0	-0.2	-25.0	241.0	21.0	18.4	10.2	312.3	314.9	0.8	13.3	13.3	48.	
16.0	44.4	4368.7	600.0	-2.4	-23.9	251.5	21.7	20.6	6.9	313,4	316.4	0.9	17.2	15.0	51.	
17.5	47.4	4704.5	575.0	-5.6	-23.5	257.3	21.6	21.1	4.5	313.5	316.7	1.0	22.7	16. 8	53.	
18.8	50.4	5051.0	550.0	-8.9	-22.4	262.0	21.9	21.7	3.0	313.6	317.3	1.2	32.7	18.3	56.	
20.0	53.5	5408.8	525.0	-12.5	-20.3	268.1	21.8	21.8	0.7	313.6	318.2	1.4	51.6	19.6	58.	
21.1	56.5	5780.0	500.0	-14.4	-43.1	264.1	23.7	23.5	2.4	315.5	316.3	0.2	9.2	21.0	60.	
22.3	59.9	6166.9	475.0	-16.9	-57.6	264.6	24.8	24.7	2.3	317.0	317.2	0.0	1.5	22.5	62.	
23.6	63.3	6570.3	450.0	-19.7	-58.0	264.5	23.5	23.4	2.3	318.4	318.5	0.0	1.8	24.3	64.	
25.1	66-7	6992.4	425.0	-22.5	-58.7	263.7	22.7	22.6	2.5	320.0	320 • 1	0.0	2.1	26.3	65.	
26.9	70.4	7434.5	400.0	-25.7	-59.8	262.6	21.3	21.1	2.8	321.5	321.6	0.0	2.4	28.5	67.	
28. 8	74.2	7899.2	375.0	-28.8	-61.0	266.4	25.8	25.8	1.6	323.4	323.5	0.0	2.8	31.2	68.	
30.5	78.3	8389.2	350.0	-32.7	-62.7	270.5	25.6	25.6	-0.2	324.6	324.7	0.0	3.2	33. 7	69.	
32. 1	e2.4	8906.7	325.0	-37-0	-64.9	273.2	26.4	26.4	-1.5	325.6	325.7	0.0	3.7	35.9	71.	
33.8	26.7	9454.4	300.0	-41.9	99.9	271.7	25.5	25.5	-0.8	326.3	999.9	99.9	999.9	38.4	73.	
35.6	91.6	10036.7	275.0	-47.2	99.9	276.9	26.9	26.7	-3.2	326.9	999.9	99.9	999.9	41.3	74.	
37.9	96.4	10661.9	250.0	-51.2	99.9	254.5	29.4	28.4	-7.4	329.9	999.9	99.9	999.9	44.6	76.	
40.3	101.8	11337.9	225.0	-57.1	99.9	293.5	30.2	27.7	-12.0	331.0	999.9	95.9	999.9	48. 5	79.	
42.7	107.5	12072.8	200.0	-62.8	99.9	291.6	23.5	21.8	-8.6	333.3	999.9	99.9	999.9	51.7	81.	
45.3	114.0	12886.1	175.0	-66.7	99.9	292.0	33.2	30.6	-12.5	339.9	999.9	99.9	999.9	54.7	84.	
47.9	121.0	13813.6	150.0	-68.4	99.9	. 267.3	29.1	29.1	1.4	352.3	999.9	99.9	999.9	59. 2	85.	
51.5	129.0	14921.5	125.0	-64-4	99.9	263.4	23.4	23.2	2.7	376.3	999.9	99.9	999.9	6438	85.	
55-1	137.0	16275-5	100.0	-65.9	99.9	999.9	99.9	99.9	99.9	400.4	999.9	99.9	999.9	999. 9	999.	
99.9	95.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	50.0	99.9	99.9.	99.9	99.9	99.9	99 <b>.</b> 9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

Sounding Data

25 April 1975

1200 GMT

383- 422

STATION NO. 208 CHARLESTON. SC

1 57 11. 1 ANGLES ON THE HALF MINUTE HAVE BLEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GFM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG 0.0 4.4 13.0 1017.6 19.6 16.3 230.0 4.2 3.2 2.7 292.8 322.7 11.5 81.0 0.0 0. 1000.0 2.3 293.9 323.8 0.6 5.7 163.8 19.2 16.0 234.7 2.9 1.7 11.5 81.5 0.6 59. 1.5 7.9 381.6 975.0 16.9 14.5 241.8 14.2 12.5 6.7 295.6 323.8 10.7 75.8 0. 9 53. 2.3 1 Co 1 605.1 950.0 18.4 14.0 249.4 13.4 12.5 4.7 297.3 325.6 10.7 75.9 1.7 59. 3.3 12.2 833.6 925.0 17.1 13.1 252.3 10.2 9.7 3.1 298.2 325.7 10.3 77.3 2.3 63. 4.1 14.5 1067-3 900.0 15.6 10.6 251.2 11.0 10.4 3.5 298.8 322.9 9.0 72.1 2.9 64. 299.1 323.7 5.1 16.6 1306-1 875.0 13.6 10.5 253.1 11.4 10.9 3.3 9.1 81.5 3.5 56. 18. 9 1550-1 850.0 12.0 9.2 256.5 11.9 11.6 2.8 299.9 323.3 8.7 83.0 4.2 67. 6.0 323.8 4.7 7.0 21.2 1800.2 825.0 10.5 8.4 266.3 9.4 9.4 0.6 300.8 8.4 87. L 69. 7.9 23.6 2056.2 800.0 8.5 7.0 273.7 8.0 7.9 -0.5 301.2 322.9 7.9 90.2 5.2 71. 9.0 25.8 2316.3 775.0 7.2 0.3 274.6 6.0 6.0 -0.5 302.2 316.5 5. I 61.7 5.6 73. 10.0 28.4 2589.1 750.0 7.7 -0.2 264.6 4.8 4.8 0.4 305.5 320.0 5.1 57.7 5.9 74. 11.2 31.3 2867.8 725.0 -4.8 261.3 4.7 4.7 0.7 306.5 317.4 3.7 46.0 6.2 74. 6.0 12.3 33.5 3154.9 700.0 -11.7 268.3 7.9 7.9 0.2 308.4 315.2 2.2 28.5 6.6 75. 5.1 13.3 3451.0 675.0 -18.4 275.2 10.1 10.1 310.1 314.3 17.8 7.2 76. 35. B 3.9 -0.9 1.3 14.4 38.6 3756.2 650.0 1.3 -18.0 284.4 11.6 11.3 -2.9 310.6 315.1 1.4 22.1 7.8 78. 625.0 15.4 41-1 4070.3 -1.0 -23.5 295.6 13.3 12.0 -5.8 311.4 314.4 0.9 16.1 8.5 81. 16-6 43.9 4395.2 600.0 -2.0 -28.3 304.9 13.4 11.0 -7.7 313.8 315.9 0.6 11.3 9.2 84. 10.0 17.8 46.8 4731.2 575.0 -5.3 -26.7 306.4 13.8 10.9 -8.6 313.8 316.3 0.7 16.6 89. 19.0 49.9 5077-9 550.0 -8.5 -30.6 304.4 11.1 9.1 -6.3 314.0 315.8 0.5 14.8 10.7 92. 20.4 52.6 5437.0 525.0 -10.8 -41.4 275.3 9.7 9.6 -0.9 315.4 316.1 0.2 6.0 11-5 93. 21.9 55.6 5810.9 500.0 -12.5 -38.5 258.8 11.1 10.9 2.2 317.8 318.8 0.3 9.2 12.4 92. 23.2 56.7 6200.2 475.0 -15.6 -38.0 263.5 10.4 10.3 1.2 316.7 319.7 0.3 12.5 13.2 92. 320.8 0.2 14.0 24.5 62.0 6605.4 450.0 -18.4 -42.9 268.9 11.3 11.3 0.2 320.1 9.4 91. 26.0 65.3 7029-1 425.0 -21.9 -45.4 269.3 11.2 11.2 0. 1 320.9 321.4 0.2 9.8 15.1 91. 7472.3 400.0 321.9 322.4 10.1 16.4 27.9 68.7 -25.4 -47.8 272.8 15.1 15.0 -C.7 0.1 91. 72.1 375.0 322.6 10.5 29.8 7936.9 -29.4 -50.7 280.1 15.2 15.0 -2.7 323.0 0.1 18.2 92. 350.0 31.6 76.0 8426.0 -33.1 -53.4 288.6 15.4 14.6 -4.9 324.0 324.3 0 . i 10.9 19.8 93. 16.4 33.4 e0.0 8942.2 325.0 -37.4 -56 .6 295.6 14.8 -7.1 325.0 325.2 0.1 11.3 21.5 94. 35.5 e3. e 9491.3 300.0 -40.8 99.9 302.6 17.3 14.6 -9.3 327.8 999.9 99.9 999.9 23.6 96. 16.2 999.9 99. 37.8 88.2 10076.7 275.0 -46.0 99.9 304.0 19.6 -10.9 328.6 999.9 9949 25.9 40.2 92. S 10704-1 25C.O -50.8 99.9 308.2 16.0 12.6 -9.9 330.6 999.9 99.9 999.9 28.1 101. 999.9 42.7 \$7.4 11384.2 225.0 -54.9 99.9 334.9 16.0 6.8 -14.5 334.5 99.9 999.9 29.8 104. 45-1 102.4 12126.6 200.0 -61.1 99.9 328.6 22.3 11.6 -19.0 336.0 999.9 99.9 995.9 31.8 108. 48.4 108.0 12947.9 175.0 -64.3 59.9 311.8 16.6 12.4 -31.1 343.8 999.9 99.9 999.9 35.3 112. 114.9 13903.9 290.3 17.8 367.0 999.9 99.9 999.9 39-1 112-51.7 150.0 -59.9 99.9 18.9 -6.6 56.3 121.0 15037.9 125.0 -62.8 99.9 278.1 22.2 22.0 -3.1 381.3 999.9 99.9 999.9 44.5 111. 61.2 126.7 16397.9 100.0 270.5 -0.2 395.4 999.9 599.9 50.6 110. -68.5 99.9 18.0 18.0 99. 9 99.9 67.5 137.0 18116.5 75.0 -67.8 99.9 274.7 9.7 9.7 -0.8 430.6 999.9 999.9 55.0 108.

-61.9

-50.2

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56.6 109.

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<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE DEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 211 TAMPA, FLA

## 25 APRIL 1975

1115 GMT 164 11. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	MISEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
		•													_
0.0	4.4	6.0	1018.4	20.0	17.8	140.0	2.6	-1.7	5.0	293.3	326.1	12.7	87.0	0.0	_
0.7	5.8	166.0	1000-0	20.2	16.9	160.9	8.6	-2.8	8.1	295.0	326.8	12.2	81.6		
1.5	7.8	385.2	975.0	20.1	16.6	180.4	8.0	0.1	8.0	297.0	329.3	12.3	80.3	0.7	342.
2.6	10.0	609.5	950.0	19.7	13.5	195.9	5.0	1.4	4.8	298.6	326.2	10.4	67.5	1.0	
3.6	11.9	839.4	925.0	18.8	12.0	207.3	4.6	2•1	4.0	299.8	325.6	9.6	64.8	1.2	
4.7	14.2	1074.3	900.0	16.9	11.9	204.0	4.6	1.9	4.2	300.2	326.6	9.8	72.4	1.5	€.
5.6	16.1	1314.2	875.0	15.3	10.9	185.8	2.5	0.3	2.5	301.0	326.6	9.4	74.9	1.7	6.
6.6	18.4	1559.8	850.0	13.5	10.9	237.3	1.7	1.4	0.9	301.5	327.9	9.7	54.4	1.8	7.
7.7	20.5	1811.6	825.0	13.1	5.9	256.0	1.7	1.7	0.4	303.4	323.3	7.2	62.3	1.9	10.
8.6	22.8	2069.9	800.0	12.4	-9.4	51.6	0 . 4.	-0.3	-0.2	304.7	311.6	2.4	2154	1.9	11.
9.7	25-2	_2335•5	775.0	12.1	-6.3	102.3	3.8	-3.8	0.8	307.2	315.1	2.7	23.4	1.9	6.
10.7	27.4	2605.6	750.0	11.0	-4.3	105.4	5.6	-5.4	1.5	309.0	320.0	3.7	33.9	2.0	358.
11.8	30.0	2891.5	725.0	9.4	-6.1	97.0	6.2	-0.1	0.7	310.2	320.2	3.4	33.0	2.1	348.
12.9	32.5	3182.0	700.0	7.9	-7.1	80.4	7.4	-7.3	-1.2	311.6	321.3	3.2	33.9	2.2	337.
14.1	35. 2	3481.2	675.0	6.4	-9.9	58.4	6.9	-5.8	-3.6	313.1	321.3	2.7	30.0	2.3	323.
15.5	37.6	3789.2	650.0	3.9	-17.2	44.4	5.2	-3.6	-3.7	313.6	318.8	1.7	21.4	2.4	310.
16.7	40.3	4106-7	625.0	1.6	-11.7	42.3	4.2	-2.8	-3.1	314.6	322.4	2.5	36.8	2.4	303.
17.9	42. 9	4433.8	600.0	-1.2	-11.5	57.9	4.1	-3.5	-2.2	315.0	323.2	2.6	45.4	2. 5	295.
19.2	45.8	4772.3	575.0	-2.5	-15.9	29.0	4.3	-2.1	-3.8	317.3	323.4	1.9	34.6	2.6	290.
20.6	48.8	5123.4	550.0	-5.2	-15.7	348.5	4.3	0.9	-4.2	318.2	324.7	2.0	43.3	2.6	282.
22.0	51.6	5487.0	525.0	-8.2	-17.4	324.5	4.8	.2.8	-3.9	318.8	324.7	1.9	47.3	2.4	273.
23.5	54+6	5863.7	500.0	-11.4	-19.0	310.9	5.7	4.3	-3.7	319.3	324.7	1.7	53.2	2. 1	26€.
25.0	57.6	6255.3	<b>⊘75.0</b>	-13.7	-26.5	304.2	7.5	6.2	-4.2	321.1	324.2	0.9	32.9	1.7	251.
26.6	60.9	6664.2	450.0	-16.5	-30.8	999.9	99.9	99.9	99.9	322.5	324.8	0.7	27.9	999.9	999.
28.4	64.4	7091.5	425.0	-20.0	-32.3	999.9	99.9	9959	99.9	323.3	325.4	0.6	32.2	999.9	996.
30.2	67.7	7537.8	400.0	-23.7	-33.1	298.9	15.5	13.6	-7.5	324.2	326.2	0.6	41.2	2.7	142.
32.0	71.3	8006.6	375.0	-26.2	-44.4	362.7	20.3	17.1	-11.0	326.9	327.6	0.2	16.2		133.
33.8	75. 2	8502.6	350.0	-29.6	-41.0	302.4	21.4	18.0	-11.5	32e. e	329.8	0.3	31.8		130.
25.9	79.3	9026.8	325.0	-34.0	-44.4	305.4	19.2	15.6	-11.1	329.8	330.6	0.2	33.7		128.
38.0	e3. 4	9581.7	300.0	-28.9	-46.2	305.0	18.2	14.9	-10.4	330.5	331.2	0.2	45.5		127.
40.2	67.8	10173.2	275.0	-43.3	99.9	314.9	22.6	16.1	-16.1	332.6	999.9	99.9	999.9		128.
42.7	92.6	10808.6	250.0	-48-1	99.9	309.6	26.9	20.7	-17-1	334.5	999.9	99.9	999.9		129.
45.5	97.6	11495.0	225.0	-53.6	99.9	309.7	29.4	22.6	-18.8	336.3	999.9	99.9	999.9		129.
48.4	103.0	12240.8	200.0	-60.3	99.9	307.8	27.5	21.7	-16.8	337.3	999.9	99.9	999.9		129.
51.5	109.3	13064.3	175.0	-64.3	59.9	306.9	29.8	23.8	-17.9	343.9	999.9	99.9	999.9		129.
55.1	115.6	14014.9	150.0	-60.1	99.9	256.1	24.0	21.5	-10.5	366.5	999.9	99.9	999.9		127.
59.4	123.3	15145.5	125.0	-64.4	99.9	296.0	20.5	18.4	-9.0	378.4	999.9	99.9	999.9	44.1	
64.3	131.7	16491.0	130.0	-70.0	99.9	269.6	15.1	15.1	0.1	392.5	999.9	99.9	999.9	48.6	
70.3	141.0	18188.5	75.0	-71.9	99.9	290.8	7.3	6.8	-2.6	422.3	999.9	99. 9	999.9	52.2	
78.2	150.7	22645.3	50.0	-61.6	99.9	42.3	8.2	-5.5	-6.1	498.5	999.9	99.9	999.9	54.8	
91.1	161.3	25056-1	25.0	-50·1	99.9	20.3	1.8	-0.6	-107	641.2	999.9	99.9	999.9	53.5	
7494	10103	E-00001	2300	-3447	7707	2003	140	-000			77707	7707	,,,,,,	224 3	

<sup>\* 2</sup>Y SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 213 WAYCROSS. GA

167 13. 0 TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ DG C M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KH DG MIN GFM MB DG C DG 0.0 44.0 1013.6 16.1 15.6 200.0 1.5 0.5 1.4 289.6 318.0 11.1 97.0 0.0 0. 3.5 0.3 160.0 1000.0 18.4 16.3 207.1 12.8 5.8 11.4 293.1 323.6 11.8 87.8 0.3 20. 4.6 975.0 204.8 296.7 326.4 11.3 74.6 0.7 23. 1.1 6.4 378.5 19.9 15.2 8.9 3.7 e. 0 E. 4 602.6 950.0 19.7 19.3 211.8 5.4 2.8 4.6 298.3 320.8 8.3 54.5 1.0 24. 1.9 832.1 212.7 299.2 323.1 61.7 1.2 26. 2.6 10.4 925.0 18.3 10.8 5.9 3.2 5.0 8.9 3.4 12.4 1066.3 900.0 16.3 9.2 233.2 6.7 5.4 4.0 299.4 321.6 8.2. 62.7 1.5 28. 1.8 36. 1305.7 875.0 7.5 249.0 9.5 8.8 3.4 300.2 320.7 7.5 61.3 4.2 14.5 14.9 2- 3 1550.7 850.0 13.4 253.5 11.8 11.3 3.3 301.1 319.0 6.5 56.8 44-5.1 16.5 4.9 302.6 303.0 2.8 50. 1801.4 825.0 13.3 -41.8 261.0 10.4 10.3 1.6 0.1 1.0 5.8 18.8 48.7 20.8 2059.5 800.0 11.6 1 . 1 268.0 7.1 7.1 0.2 304.2 319.1 5.2 3. 1 55. 6.7 306.1 319.1 4.5 42.8 3-4 58. 7.5 23.1 2324.6 775.0 10.9 -1.3 251.7 5.6 5.3 1.7 3.7 2.7 23.8 56. 8.4 25.4 2597.7 750.0 9.8 -10.0 244.3 6.2 5.5 307.6 314.9 2.4 16.1 59. 9.4 27.6 2878.6 725.0 9.3 -16.1 248.7 7.2 6.7 2.6 309.8 314.9 1.6 4.1 4.5 59. 10.4 30.1 3168.1 700.0 7.2 -19.8 250.2 6.9 6.4 2.3 310.6 314.2 1.1 12.4 0.9 32.6 675.0 -23.2 275.0 6.5 6.5 -0.6 311.8 314.8 11.2 4.9 61. 11.4 3466.0 5 . 4 3772.7 -15.6 294.3 -2.6 311.9 317.3 1.7 25.1 5. 2 65. 12.5 35. 2 650.0 2.4 6.3 5.8 274.4 -0.4 313.0 314.3 0.4 6.3 5.5 68. 37.7 4028.3 625.0 0.4 -40.4 4.8 13.6 4.8 5. 7 0.6 314.2 0.1 1.0 68. 14.5 40.3 4414.2 600.0 -1.8 -51.1 262.9 4.4 4.4 314.0 315.0 1 . C 6.0 64. 575.0 -52.7 -1.3 314.8 C-0 15.6 42.9 4750.7 -4.4 281.1 6.7 6.5 5.7 72. 550.0 -7.8 -39.7 -2.5 314.8 315.6 0.2 6.4 16.8 45.7 5098.5 286.4 9.0 8.6 315.1 316.7 0.5 14.8 7.0 75. -11.1 -32.7 -2.4 17.8 48.7 5458.0 525.0 282.4 11.1 10.9 30.9 7. 9 78. -12.8 -26.4 285.6 -3.9 317.5 320.5 0.9 19.0 51.5 5831-5 500.0 14.5 14.0 321.8 1.0 45.2 8.8 82. 20.2 54.6 6220.6 475.0 -15.9 -25.7 287-1 14.2 13.6 -4.2 318.4 21.6 57.6 662506 450.0 -19.6 -20.8 284.1 12.9 12.5 -3.1 318.7 323.9 1.6 90.2 9. 5 84. 10.9 23.1 61.0 7047.3 425.0 -22.4 -55.8 283.0 12.4 12.1 -2.8 320.2 320.4 0.0 3.0 86. 286.5 321.6 323.4 0.5 42.9 12-3 AA. 24.5 64.5 7489.8 400.0 -25.7 -34.6 14.7 14.1 -4.2 322.9 322.9 0.0 1.0 13.3 90. 26.2 68.0 7953.8 375.0 -29.2 -68.6 298.1 12.5 11.0 ~5.9 1.0 350.0 -71.0 13.6 324.5 324.6 0.0 14.3 92. 27.7 71.5 8443.1 -32.7 293.1 14.8 -5.8 1.0 0.0 15.9 94. 29.4 75.6 8961.1 325.0 -36.5 -73.5 288.6 16.9 16.0 -5.4 326.2 326.2 17.8 327.7 999.9 99.9 999.9 95. 31.2 79.5 9510.8 300.0 -40.9 99.9 281.9 19.4 19.0 -4.0 999.9 20.0 33-1 64.0 10096.0 275.0 -45.2 99.9 287.5 20.9 20.0 -6.3 329.8 999.9 99.9 96. -10.3 999.9 99. 9 999.9 22.6 99. 35. 1 68.6 10726.3 250.0 -50.2 99.9 300.7 20.1 17.3 331.5 999.9 24.7 101. 27.3 93-6 11407.3 225.0 -54.8 99.9 313.3 16.7 12.1 -11.4 334.6 99.9 999.9 338.1 999.9 99.5 999.9 27.2 104. 39.8 99.0 12151.5 200.0 -59.8 99.9 302.9 21.0 17.6 -11.4 999.9 30.0 165. 42.6 105.0 12976.6 175.0 -64.5 99.9 287.4 15.0 14.3 -4.5 343.4 999.9 99.9 999.9 -59.9 99.9 285.4 27.2 26.3 -7.2 366.9 99.9 999.9 34.3 105. 45.7 111.7 13923.6 150.0 -62.0 99.9 276.8 23.8 23.6 -2.8 382.7 999.9 99.9 999.9 39.7 104. 49.3 119.0 15056.9 125.0 -67.4 99.9 280.6 -3.0 39745 999.9 99.9 999.9 45. 2 105. 53.7 128.0 16420.0 100.0 16.5 16.2 293.1 999.9 9949 999.9 49.2 104. 59.3 138.7 18136+1 75.0 -70.5 99.9 14.1 13.0 -5.6 425.1 -0.4 498.5 999.9 99.9 999.9 51.3 104. 99.9 4.4 5.2 -5.1 66.8 150.5 20594.0 50.0 -61.5

-50.9

25.0

78.3

163.0

25007.4

2.3

-4.5

638.5

999.9

99.9

999.9

5.1

332.3

99.9

51.5 107.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>+</sup> EV TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>##</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

# STATION NO. 220 APALACHICOLA. FLA

## 25 APRIL 1975 1115 GMT

165 19. 0

														•	0,5	. •	
	TIME	CATCT	HEIGHT	PRES .	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
	0.0	4.7	11.0	1017.5	1835	18.6	180.0	2.1	0.0	2. 1	292.1	326 • 4	13.4	100.0	0.0	0.	
	0.6	6. 1	161.0	1000.0	19.2	18.6	192.6	6.2	1.3	6.0	294.1	329.4	13.7	96∙%	0.1	10.	
	1.4	8.4	379.3	975.0	19.5	8.1	195.8	6.6	1.6	6.4	295.7	314.6	7.0	48/10	0.5	11.	
	2.2	10.8	602.8	950.0	20.0	-28 - 1	223.3	4.5	3.1	3. 3	297.6	301.0	1.2	7.7	0.7	17.	
	3. Ó	13-1	831.8	925.0	20.0	-23.5	232.7	4.9	3.9	* 3.0	299.8	301.8	0.6	4.0	0.9	26.	
	3. 9	15.4	1066.6	900.0	18.3	-15.3	221.6	3.6	3.7	4.2	300.5	304.5	1.3	8.8	1.1	30.	
	4.6	17.8	1306.4	875.0	16.7	-22.2	215.1	6.5	3 € 7	5.3	301.2	303.6	0.7	5.5	1.4	31.	
•	5.4	20.3	1552.1	850.0	15.4	-24.7	224.5	7.2	5-1	5.2	302.4	304.7	0.8	5.9	1.7	33.	
	6.3	22.6	1804.2	825.0	14.6	-41.0	234.9	6.5	5.3	3.7	304.0	304.4	0.1	1.0	2.1	36.	
	7.3	25.2	2063.2	800.0	12.7	-2.6	245.7	4-1	3.7	1.7	305•2	316.7	3, 9	34.3	2. 4	39.	
	8.3	27.5	2329.1	775.0	11.7	-5.9	246.6	4.5	4.2	1.8	306.8	316.2	3 • 2	28.5	2.6	42.	
	9.2	30.3	2603.3	750.0	12.4	-35.7	230.3	4.3	3.3	2 • 8	310.1	311.3	0.4	3.0	2.9	44.	., i
	10.3	23.0	2886.3	725.0	10e9	-12.9	212.1	5.3	2.8	4.5	311.6	317.7	2.0	17.4	3. 2	43.	•
	11.2	35 <sub>e</sub> 7	3177.8	700.0	9.2	-16.4	222.7	4.9	3.3	3.6	312.9	317.7	1.5	14.7	3.5	42.	•
	12.3	38.4	3477.9	675.0	7.3	-21.7	253.5	4.4	4.2	1.2	313.9	317.2	1.0	10.6	3. 7	43.	
	13.3	41.1	3786.4	650.0	4.6	-17.4	264.3	3.5	3.5	0.3	314.3	319.1	1.5	18.4	3, 9	46.	
	14.4	44.1	4104.0	625.0	1.3	-14.0	294.3	2.1	1.9	-0.8	314.2	320.7	2.1	31.0	4. 1	48.	
	15.6	47-1	4439+9	600.0	-1.5	-13.1	333.2	2.3	1.0	-2.0	314.6	321.8	2.3	40.6	4.0	50.	
	16.9	50.2	4768.4	575.0	-4.3	-13.2	298.8	4.0	3.5	-1.9	315.2	322.7	2.4	50.0	4. 1	52.	
	18.0	53.1	5117.4	550.0	-6.5	-13.9	299.8	6.3	5.5	-3.1	316.6	324.0	2.4	55.7	4.2	56.	
	19.1	56.1	5479.3	525.0	-9.4	-16-4	298.0	8.6	7.6	-4.1	317.4	323.8	2.0	56.4	4,5	63.	
	20.4	59.5	5854.4	500.0	-12-6	-19.9	296.6	9.3	8.3	-4.2	317.8	322.9	1.6	54.4	4.9	69.	
	21.7	63.0	6243.5	475.0	-16.2	-22.4	295.2	9.0	8-1	-3.8	318.0	322.4	1.3	58.5	5. 4	75.	
	23.1	66.2	6648.6	450.0	-18.4	-37.9	292.9	9.7	9.0	-3.8	320.1	321.2	0.3	1.6.0	6.0	79.	
	24 . 5	69.9	7072.3	425.0	-21.9	-35.7	287.4	12.2	11.6	-3.6	321.0	322.4	0.4	27.1	6. 9	83.	
	26.0	73.3	7515.4	400.0	-25.7	-33.2	286.3	14.4	13.9	-4.0	321.6	323.6	0.6"	49.2	8.0	86.	
	27.6	77.2	7980.5	375.0	-28.2	-31.8	300.9	19.6	16.8	-10-1	324.2	326.7	0.7	71.4	9. 5	91.	
	29.3	21.0	8472.7	350.0	-31.2	-33.0	301.7	22.5	19.1	-11.8	326.7	329.0	0.7	83.8	11.3	97.	
	31 • 2	85.1	8994-1	325.0	-35.2	-36.7	305.8	21.3	17.2	-12.4	328.1	329.9	0.5	85.6	13.6	101.	
	33.3	89.4	9546.5	300.0	-40.0	99.9	317-1	20.1	13.7	-14.7	328.9	999.9	99.9	999.9	16.0	106.	
	35.4	54.0	10134.5	275.0	-44.5	99.9	340.7	12.6	4.2	-11.9	330.8	999.9	99.9	999.9	17.2	1100	
	37.9	58.6	10766.3	250.0	-49.4	99.9	316.5	25.2	17.4	-18.3	332.7	999.9	99.9	999.9	20-1	115.	
	40.4	103-6	11447-6	225.0	-55.1	99.9	313.1	24.5	17.9	-16.7	334.0	999.9	99.9	999.9	23.8	118.	
	42.8	108.8	12190-1	200.0	-60.4	99.9	48.7	6 • 2	-4.7	-4.1	337.1	999.9	99.9	999.9	24.2		
	46.1	114. €	13014.8	175.0	-63.9	99.9	318.2	18.5	12.5	-14.0	344.4	999.9	99.9	999.9	27.6		
	49.3	121.0	13961.7	150.0	-60.6	99.9	304.8	16.9	13.9	-9.6	365.7	999.9	99.9	999.9	31.0		
	53.3	128.3	15091-4	125.0	-63-8	99.9	289.1	15.7	14.9	-5.2	379.4	999.9	99.9	999.9	34.6	123.	
	58.2	136.5	16446.8	100.0	-68.8	99.9	265.0	10.7	10.4	-2.8	394.7	999.9	99.9	999.9	38.4		
	64.2	145.0	18151.9	75.0	-69.3	99.9	286.7	7.7	7.4	-2.2	427.7	999.9	99.9	998.9	41.5		
	72.2	155.0	50 € 1 € ° Ø	50.0	-63.9	99.9	28.1	3.7	-1.7	~3.3	493.0	999.9	99.9	999.9	44.0		
	84.8	166.3	25033.5	25.0	-50.3	99.9	341.9	5.1	1.6	-4.9	640.5	999.9	99.9.	999.9	45. 5	124.	

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 226 CENTERVILLE. ALA

164 16. 0

0.0 6.3 144.3 1000.0 19.9 19.1 204.0 4.8 2.0 4.8 295.0 3314.4 14.1 94.9 0.0 3. 0.9 0.9 0.9 0.7 32.6 97.5 18.3 17.2 22.5 21.2 10.1 10.0 295.3 328.6 12.8 93.6 0.5 42.2 1.7 11.2 555.0 950.0 17.4 10.2 230.5 10.6 13.8 9.1 256.5 329.8 12.3 92.9 1.3 46. 2.2 52.3 13.5 13.9 92.5 0.1 10.1 14.6 230.5 17.6 15.0 9.2 297.3 327.5 11.4 90.8 2.2 52.3 3.6 15.8 1046.9 900.0 14.6 13.0 242.0 15.8 14.0 7.4 259.0 325.9 10.5 89.8 3.1 54. 4.5 18.4 125.0 875.0 12.8 10.3 241.8 15.5 13.7 7.3 268.3 322.7 9.1 85.1 3.9 56. 5.5 20.8 1329.2 850.0 13.6 4.6 250.8 10.3 15.4 5.4 5.4 301.2 318.8 6.3 55.1 4.9 56. 6.3 23.3 176.4 825.0 12.9 -1.4 261.6 10.3 10.3 15.4 5.4 301.2 318.8 6.3 35.1 4.9 4.2 37.1 5.7 61.3 28.8 28.8 29.2 203.2 200.0 11.5 -1.3 267.6 15.5 15.5 10.3 10.4 0.3 10.5 4.4 41.0 6.5 64.8 3.2 8.6 230.2 7 775.0 9.5 -0.7 24.0 15.6 15.5 15.5 10.3 10.4 0.3 10.5 4.4 41.0 6.5 64.8 10.2 24.1 20.2 24.1 20.3 3.3 176.0 10.2 34.1 263.3 37.5 0.7 5.5 -19.7 267.2 18.7 18.6 0.9 307.9 311.4 1.1 12.4 9.3 70.1 11.3 36.8 314.1 5 700.0 6.1 -24.1 266.7 19.4 19.4 0.4 309.4 311.9 0.8 9.3 10.5 72.1 12.5 305.7 347.9 675.0 3.7 -16.0 260.8 20.5 20.5 20.3 20.9 315.1 1.7 22.5 11.8 74.1 13.4 42.4 374.2 650.0 1.5 -12.0 264.4 18.6 16.5 6.9 310.9 317.8 2.2 34.1 13.7 74.1 13.4 42.4 374.2 650.0 -1.5 -12.0 24.4 18.6 16.5 6.9 310.9 317.8 2.2 34.1 13.7 74.1 13.4 42.4 374.2 650.0 -1.5 -12.0 24.4 18.6 16.5 6.9 310.9 317.8 2.2 34.1 13.7 74.1 13.4 42.4 374.2 650.0 -1.5 -12.0 24.4 18.6 16.5 6.9 310.9 317.8 2.2 34.1 13.7 74.1 15.2 73.1 16.3 46.5 4300.6 600.0 -4.6 -11.8 242.1 17.5 15.5 6.2 311.3 310.2 2.6 57.1 16.4 73.1 17.5 15.5 4.7 34.0 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5 4.5								1113 6	m (					•	100	, ,
0.0 6.3 140.0 1000.5 20.0 19.2 200.0 4.2 1.0 3.9 295.0 331.6 14.2 05.0 0.0 0.0 0.0 0.0 6.3 144.3 1000.0 19.9 19.1 204.0 4.8 2.0 4.4 295.0 331.6 14.2 05.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	TIME	CATCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
0.0 6.3 144.3 1000.0 19.9 19.1 204.0 4.8 2.0 4.8 2.0 331.4 14.1 94.9 0.0 3 3 0.9 0.9 0.9 0.9 0.9 0.9 17.4 10.2 225.2 14.2 10.1 10.0 295.3 328.6 12.8 93.6 0.5 42.2 11.2 11.2 555.0 16.1 14.6 225.5 10.6 13.8 9.1 26.5 329.8 12.3 92.9 1.3 46. 2.2 52.3 11.3 5 813.9 92.5 0.1 16.1 14.6 238.5 17.6 15.0 9.2 297.3 327.5 11.4 90.8 2.2 52.3 3.6 15.8 1046.9 90.0 14.6 13.0 242.0 15.8 14.0 7.4 259.0 325.9 10.5 89.8 3.1 54. 4.5 18.4 125.0 875.0 12.8 10.3 241.6 15.5 13.7 7.3 259.3 322.7 9.1 85.1 3.9 56. 55.5 20.8 1529.2 850.0 13.6 4.6 250.8 16.3 15.8 14.0 7.8 250.3 312.4 9.4 2 37.1 5.7 61.7 7.2 25.8 20.8 1529.2 850.0 13.6 4.6 250.8 16.3 15.4 5.4 301.2 318.8 6.3 55.1 4.9 56. 6.3 22.3 1760.4 825.0 12.9 -1.4 261.6 10.3 10.1 24 302.8 314.9 4.2 37.1 5.7 61.7 7.2 25.8 20.2 27.7 75.0 9.5 -0.7 24.0 15.6 15.5 15.5 0.7 304.0 316.5 4.4 41.0 6.5 64.8 3.2 26.6 20.2 7.7 75.0 9.5 -0.7 24.0 15.6 15.5 15.5 10.3 304.6 318.1 4.7 48.9 7.3 67.9 9.2 21.3 327.4 1750.0 8.0 -8.6 261.8 17.5 17.3 2.5 305.6 313.5 2.7 29.6 8.2 66. 10.2 34.1 263.3 372.0 7.5 -19.7 267.2 18.7 18.7 18.7 18.7 18.7 18.7 18.7 18.7	MIN		GPM	<b>MB</b>	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT		
0.9 6.7 302.6 975.0 10.3 17.2 225.2 14.2 10.1 10.0 295.3 328.6 12.8 93.6 0.5 42.1 1.0 11.0 556.6 930.0 17.4 10.2 236.5 10.6 13.8 9.1 256.5 329.8 12.3 92.9 13.3 46. 21.1 14.0 92.8 13.5 11.0 15.0 9.2 297.3 327.5 11.4 90.8 2.2 52.3 16.1 15.8 10.0 7.4 298.0 325.9 10.5 89.8 3.1 54. 41.5 16.8 10.6 9.9 00.0 14.6 13.0 242.0 15.8 14.0 7.4 298.0 325.9 10.5 89.8 3.1 54. 41.5 16.4 1285.0 875.0 12.8 10.3 241.8 15.5 13.7 7.3 288.3 322.7 9.1 85.1 3.9 56. 52.0 13.5 4.6 250.8 16.3 15.8 14.0 7.4 298.0 325.9 10.5 89.8 3.1 54. 41.0 7.4 298.0 325.9 10.5 89.8 3.1 54. 41.0 12.8 10.3 12.8 10.3 15.8 14.0 7.4 298.0 325.9 10.5 89.8 3.1 54. 41.0 12.8 10.3 12.8 10.3 15.8 14.0 7.4 298.0 325.9 10.5 89.8 3.1 54. 41.0 12.8 10.3 15.8 14.0 7.4 20.1 10.3 10.3 10.1 24.1 30.1 28.8 13.2 7.9 1.8 55.1 3.9 56. 13.2 12.8 10.2 11.8 10.3 10.1 24.1 30.1 28.8 13.8 13.8 13.8 13.8 13.8 13.8 13.8 1	0.0	ć.3	140.0	1000.5	20.0	19,2	200.0	4.2	1.4	3.9	295.0	331.6	14.2	95.0	0.0	0.
11-9					19.9	19.1	204.0	4.8	2.0	4.4	295.0	331 .4	14-1	94.9	0.0	3.
2-7 13-5 813-9 925-0 16-1 14-6 239.5 17-6 15-0 9.2 297-3 327-5 11-4 90.8 2-2 52.  3-6 15-8 104-6.9 90.0 14-6 13-0 242-0 15-8 14-0 7-4 259.0 325-0 10-5 89.8 3.1 52.  4-5 16-4 1285-0 875-0 12-8 10-3 241-8 15-5 13-7 7-3 259-3 322-7 9.1 85-1 3.9 56.  5-5 20.8 1529-2 850-0 13-6 4-6 250-8 16-3 15-4 5-4 301-2 318-8 6-3 55-1 4-9 56.  6-3 23-3 1760-4 825-0 12-9 -1-4 261-6 16-3 16-1 2-4 302-8 314-9 4-2 37-1 5-7 61.  7-2 25-6 239-2 800.0 11-5 -1-3 267-6 15-5 15-5 0-7 30-0 310-5 4-4 41-0 6-5 6-4.  8-3 28-6 2302-7 775-0 9-5 -0-7 264-0 15-6 15-5 15-5 0-7 30-0 310-5 4-4 41-0 6-5 6-4.  8-3 28-6 2302-7 775-0 8-0 -8-0 261-8 17-5 17-3 2-5 305-6 313-5 2-7 29-6 8-2 6-6.  10-2 3-1 3 257-1 750-0 8-0 -8-0 261-8 17-5 17-3 2-5 305-6 313-5 2-7 29-6 8-2 6-6.  10-2 3-1 2855-3 725-0 7-5 -19-7 267-2 18-7 18-6 0-9 307-9 311-4 1-1 12-4 9-3 70.  11-3 30-8 314-5 700-0 6-1 -24-1 268-7 19-4 19-4 0-4 309-4 311-9 0-8 9-3 10-5 72.  12-5 35-7 3437-9 675-0 3-7 -16-0 260-8 20-5 20-2 3-3 309-9 315-1 1-7 22-5 11-9 7.  15-1 45-4 4057-2 625-0 -1-7 -12-0 264-4 18-6 16-6 6-0 310-8 316-3 2-4 45-1 15-2 73.  16-3 45-4 4057-2 625-0 -1-7 -12-0 244-4 18-6 16-6 6-0 310-8 316-3 2-4 45-1 15-2 73.  17-5 51-5 4713-8 575-0 -7-9 -13-1 244-5 19-4 17-5 5-6 311-1 318-9 2-6 57-1 16-6 73.  18-9 24-7 6172-0 475-0 -1-7 -12-0 244-4 18-6 16-6 6-0 310-8 316-3 2-4 45-1 15-2 73.  18-9 24-8 5057-6 550-0 -11-0 -12-8 241-1 19-9 17-5 0-6 311-3 319-2 2-6 86-7 19-3 71-2 2-7 2-7 2-7 2-7 2-7 2-7 2-7 2-7 2-7 2	0.9	e. 7	362.6	975.0	18.3	17.2	225.2	14-2	10-1	10.0	295.3	328.6	12.8	93.6	0.5	42.
3.6	1.9	11.0	565.6	950.0	17-4	16.2	236.5	16.6	13.8	9.1	29c.5	329.8	12.3	92.9	1.3	46.
4-5 18-4 1285.0 075.0 12.8 10.3 241.8 15.5 13.7 7.3 298.3 322.7 9.1 85.1 3.9 56. 5.5 20.8 1529.2 850.0 13.6 4.6 250.8 16.3 15.4 5.4 301.2 318.8 6.3 55.1 4.9 58. 6.3 23.3 1780.4 825.0 12.9 -1.4 261.6 16.3 16.1 2.4 302.8 314.9 4.2 37.1 5.7 61. 7.2 25.8 203.8 230.2 7 775.0 9.5 -0.7 264.0 15.5 15.5 10.5 30.7 30.4 0 316.5 4.4 41.0 6.5 6.4 8.3 28.6 2302.7 775.0 9.5 -0.7 264.0 15.6 15.5 11.5 30.7 30.4 0 316.5 2.7 29.6 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6.2 6	2.7	13.5	813.9	925.0	16.1	14.6	238.5	17.6	15.0	9.2	297.3	327.5	11.4	90.8	2. 2	52.
5-5 20.8 1329.2 850.0 13.0 4.6 250.8 16.3 15.4 5.4 301.2 318.8 6.3 55.1 4.9 58. 6-3 23.3 1760.4 825.0 12.9 -1.4 261.6 16.3 16.1 2.4 302.2 314.9 4.2 37.1 5.7 61. 7-2 25.6 2038.2 800.0 11.5 -1.3 267.6 15.5 15.5 0.7 304.0 310.5 4.4 41.0 6.5 64. 8-3 28.6 2302.7 775.0 9.5 -0.7 264.0 15.6 15.5 15.5 0.7 304.0 310.5 4.4 41.0 6.5 64. 8-3 28.6 2302.7 775.0 9.5 -0.7 264.0 15.6 15.5 15.5 0.7 304.0 310.5 2.7 29.6 6.2 66. 10.2 31.3 2574.1 750.0 8.0 -8.6 261.8 17.5 17.3 2.5 305.6 311.5 2.7 29.6 8.2 66. 10.2 34.1 2635.3 725.0 7.5 -1.9 7 267.2 18.7 18.6 0.9 307.0 311.4 1.1 12.4 9.3 70.1 11.3 36.8 3141.5 700.0 6.1 -24.1 268.7 19.4 19.4 0.4 309.4 311.9 0.8 9.3 10.5 72. 12.5 35.7 347.9 675.0 3.7 -16.0 260.8 20.5 20.2 3.3 30.9 311.9 0.8 9.3 10.5 72. 13.9 42.4 3743.2 650.0 1.5 -12.6 250.7 21.0 19.8 6.9 310.9 317.8 2.2 34.1 13.7 74. 13.9 42.4 3743.2 650.0 1.5 -12.6 250.7 21.0 19.8 6.9 310.9 317.8 2.2 34.1 13.7 74. 13.1 45.4 4057.2 625.0 -1.7 -12.0 244.4 18.6 16.8 e.9 310.8 310.8 31.8 2.4 45.1 13.7 74. 13.5 31.5 4713.8 575.0 -7.9 -13.1 244.5 19.4 17.5 15.5 8.2 311.1 318.9 2.6 57.1 16.4 73. 17.5 51.5 4713.8 575.0 -7.9 -13.1 244.5 19.4 17.5 8.4 311.0 318.4 2.4 66.2 17.7 72. 21.9 54.8 3057.6 550.0 -11.0 -12.8 241.1 19.9 17.5 8.4 311.0 318.4 2.4 66.2 17.7 72. 21.9 54.8 3057.6 550.0 -12.0 -12.8 241.1 19.9 17.5 8.6 311.0 318.4 2.4 66.2 17.7 72. 21.9 54.8 3057.6 550.0 -12.0 -12.8 241.1 19.9 17.5 8.6 311.0 310.2 22.6 66.7 19.3 74. 21.9 61.3 5785.4 50.0 -20.1 -20.7 244.0 18.5 10.4 315.3 321.2 2.2 2.3 83.6 21.1 70. 21.9 61.3 5785.4 50.0 -20.1 -20.7 244.0 18.5 10.7 8.1 318.0 321.2 1.0 55.2 60.7 60.7 60.1 12.0 12.8 241.7 12.0 13.1 310.2 320.2 2.3 83.6 21.1 70. 21.9 61.3 5785.4 50.0 -20.1 -20.7 244.0 18.5 10.7 8.1 318.0 321.2 1.0 55.2 60.7 60.7 60.1 12.0 12.3 13.0 12.2 10.0 55.2 60.7 60.4 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	3.6	15.8	1046.9	900.0	14.6	13.0	242.0	15.8	14.0	7.4	298.0	325.9	10.5	89.8	3.1	54.
6-3         23-3         1760-6         825-0         12-9         -1-4         261-6         16-3         16-1         2-4         302-8         314-9         4-2         37-1         5.7         61-6         61-5         15-5         0.7         30-0         316-5         4-4         41-0         65-6         64-6         81-8         61-6         261-8         17-5         11-6         30-6         318-1         4-7         48-9         7-3         67-8         61-0         28-1         25-3         30-6         313-5         27-7         29-6         8-2         66-1         10-2         34-1         2853-3         725-0         7-5         -19-7         267-7         18-6         0-9         307-9         311-9         0-8         9-3         70-1         11-3         36-8         314-5         700-0         0-1         -260-7         19-4         0-4         309-4         311-9         0-8         9-3         70-1         11-3         31-3         10-5         72-2         18-7         18-6         0-9         307-9         311-1         11-2         24-5         11-8         72-1         18-7         18-7         18-7         18-7         18-7         18-7         18-7	4+5	18.4	1285.0	875.0	12.8	10.3	241.8	15.5	13.7	7.3	298.3	322.7	9-1	85.1	3.9	56.
8-3 28-6 233e.7 775-0 9-5 -0.7 264-0 15-6 15.5 15.5 0.7 300-0 316.5 4.4 41.0 6.5 64.8 8.3 28-6 2302.7 775-0 9-5 -0.7 264-0 15-6 15.5 1.6 30.6 318.1 4.7 48.9 7.3 64.7 9.2 31.3 257-1 750.0 8.0 -8.6 261.8 17.5 17.3 2.5 305.6 313.5 2.7 29-6 8.2 68. 10.2 34.1 2853.3 725.0 7.5 -19.7 267.2 18.7 18.6 0.9 307.9 311.4 1.1 12.4 9.3 70. 11.3 36.8 3141.5 700.0 6.1 -24.1 266.7 19.4 19.4 0.4 309.4 311.9 0.8 9.3 10.5 72. 12.5 35.7 3437.9 675.0 3.7 -16.0 260.8 20.5 20.2 3.3 309.9 315.1 1.7 22.5 11.8 74. 15.1 45.4 4057.2 625.0 1.5 -12.6 250.7 21.0 19.8 6.9 310.9 315.8 2.2 34.1 13.7 74. 15.1 45.4 4057.2 625.0 -1.7 -12.0 244.4 18.6 16.8 8.0 310.8 316.3 2.4 45.1 13.7 74. 15.1 45.4 4057.2 625.0 -1.7 -12.0 244.4 18.6 16.8 8.0 310.8 316.3 2.4 45.1 15.2 73. 17.5 51.5 4713.8 575.0 -7.9 -13.1 244.5 19.4 17.5 8.4 311.0 318.4 2.4 66.2 17.7 72. 20.4 57.6 531.3 9 525.0 -12.9 -15.1 238.0 23.2 19.7 12.3 313.2 20.2 6.6 66.7 19.3 72. 20.4 578.4 500.0 -14.7 -17.8 245.2 24.9 17.5 8.4 311.0 318.4 2.4 66.2 17.7 72. 20.4 578.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 32.0 2.2 2.3 83.6 21.1 70.2 21.9 61.3 578.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 310.2 2.6 86.7 19.3 72. 21.9 61.3 578.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 310.2 2.6 86.7 19.3 72. 21.9 61.3 578.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 310.0 321.2 1.9 77.0 23.2 69. 23.3 64.7 6172.0 475.0 -7.0 -13.5 26.6 244.7 24.3 22.8 85 319.0 321.8 0.8 62.3 26.6 69. 29.7 79.3 7901.3 375.0 -29.4 34.1 266.3 25.1 27.0 8.1 318.0 321.2 1.9 77.0 23.2 69. 24.7 62.1 6575.4 450.0 -20.1 -20.7 244.0 18.5 10.7 8.1 318.0 321.2 1.9 79.9 99.9 99.9 99.9 99.9 99.9 99.9	5.5	20.8	1529.2	850.0	13.6	4+6	250.8	16.3	15.4	5.4	301.2	318.8	6.3	55.1	4.9	58.
8.3	6.3	23.3	1780.4	825.0	12.9	-1-4	261.6	16.3	16.1	2.4	302.€	314.9	4.2	37.1	5. 7	61.
9.2 31.3 2574.1 750.0 8.0 -8.6 261.8 17.5 17.3 2.5 305.6 313.5 2.7 29.6 8.2 68. 10.2 34.1 285.3 725.0 7.5 -19.7 267.2 18.7 18.6 0.9 307.9 311.4 1.1 12.4 9.3 70.1 11.3 36.8 3141.5 700.0 6.1 -24.1 268.7 19.4 19.4 0.4 309.4 311.9 0.8 9.3 10.5 72. 12.5 35.7 3637.9 675.0 3.7 -16.0 260.8 20.5 20.2 3.3 309.9 315.1 1.7 22.5 11.8 7.4 13.4 42.4 45.7 19.4 19.4 0.4 309.4 311.9 0.8 9.3 10.5 72. 13.9 42.4 3743.2 650.0 1.5 -12.6 250.7 21.0 19.8 6.9 310.9 317.8 2.2 34.1 13.7 7.4 15.1 45.4 4057.2 625.0 -1.7 -12.0 244.4 18.6 16.6 8.0 310.8 116.3 2.4 45.1 15.2 73. 16.3 48.5 4302.6 600.0 -4.6 -11.8 242.1 17.5 15.5 8.2 311.1 318.9 2.6 57.1 16.4 73. 17.5 51.5 4713.8 575.0 -7.9 -13.1 244.5 19.4 17.5 8.4 311.0 318.4 2.4 66.2 17.7 72. 18.9 54.8 5057.6 550.0 -11.0 -12.8 241.1 19.9 17.5 9.6 311.3 319.2 2.6 68.6 7 19.3 71.2 20.4 57.9 61.3 5785.0 -7.9 -15.1 238.0 23.2 19.7 12.3 313.2 20.0 2 2.3 83.6 21.1 70. 21.9 61.3 5785.4 500.0 -14.7 -17.8 245.2 24.9 22.0 10.4 315.3 321.2 1.9 77.0 23.2 69. 21.3 6.6 67.7 6172.0 475.0 -17.2 -23.1 246.4 20.7 19.0 8.3 316.7 320.8 1.2 1.9 77.0 23.2 69. 21.3 6.0 67.7 68.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 16.7 8.1 318.0 321.2 1.0 55.6 2.3 28.6 66.7 7.3 7.3 7.3 7.6 400.0 -26.2 -32.7 264.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 31.0 0.9 27.7 33.3 37.0 0.0 55.6 2.9 3.4 3.1 3.0 0.9 2.9 3.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9	7.2	25.0	2038.2	800.0	11.5	-1.3	267.6	15.5	15.5	0.7	304.0	316.5	4.4	41.0	6. 5	64.
10-2 34-1 2853-3 725-0 7-5 -19-7 267-2 18-7 18-6 0.9 307-9 311-4 1-1 12-4 9-3 70-1 11-3 36-8 314-15 700-0 6-1 -24-1 26-67 19-4 19-4 0.4 309-4 311-9 0.8 9-3 10-5 72-2 12-5 35-7 3437-9 675-0 3-7 -16-0 260-8 20-5 20-2 3-3 309-9 315-1 1-7 22-5 11-8 74-1 13-7 4-1 13-1 13-7 4-1					9.5	-0.7	264.0	15.6	15.5	1.6	304.6	318-1	4.7	48,9	7.3	67.
11.3	9.2	31.3	2574.1	750.0	8.0	-8.6	261.8	17.5	17.3	2.5	305.6	313.5	2.7	29.6	8.2	68.
12.5 35.7 3437.9 675.0 3.7 -10.0 260.8 20.5 20.2 3.3 3C.9.9 315.1 1.7 22.5 11.8 74.1 13.9 4.2.4 3743.2 650.0 1.5 -12.6 250.7 21.0 19.8 6.9 310.9 317.8 2.2 34.1 13.7 74.1 15.1 45.4 4057.2 625.0 -1.7 -12.0 244.4 18.6 16.8 8.0 310.8 316.3 2.4 45.1 15.2 73.1 16.3 48.5 4380.6 600.0 -4.6 -11.8 242.1 17.5 15.5 8.2 311.1 318.9 2.6 57.1 16.4 73.1 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17	10.2	34.1	2853.3	725.0	7.5	-19.7	267.2	18.7	18.6	0.9	307.9	311.4	1 • 1	12.4	9.3	70.
13.9	11.3	36.8	3141.5	700.0	6.1	-24.1	268.7	19.4	19.4	0.4	309.4	311.9	0.8	9.3	10.5	72.
15.1 45.4 4057.2 625.0 -1.67 -12.0 244.4 18.6 16.6 8.0 310.8 316.3 2.4 45.1 15.2 73.160.3 48.5 4380.6 600.0 -4.6 -11.8 242.1 17.5 15.5 8.2 311.1 318.9 2.6 57.1 16.4 73.17.5 51.5 51.5 4713.8 575.0 -7.9 -13.1 244.5 19.4 17.5 8.4 311.0 318.4 2.4 66.2 17.7 72.18.9 54.8 5057.6 550.0 -11.0 -12.8 241.1 19.9 17.5 9.6 311.3 319.2 2.6 86.7 19.3 71.0 20.4 17.6 5413.9 525.0 -12.9 -15.1 2380.0 23.2 19.7 12.3 313.2 320.2 2.3 83.6 62.1 17.0 21.9 61.3 5785.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 321.2 1.9 77.0 23.2 69.2 21.3 64.7 6172.0 475.0 -17.2 -23.1 240.4 20.7 19.0 8.3 316.7 320.8 1.2 59.9 25.2 69.2 24.7 68.1 575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 318.0 321.2 1.0 55.6 26.7 69.2 24.1 71.4 6996.6 425.0 -23.5 -28.6 24.7 24.3 22.8 8.5 319.0 321.2 1.0 55.6 26.7 69.2 24.7 79.3 7901.3 375.0 -20.4 -34.1 268.3 25.1 25.1 0.8 322.6 324.6 0.6 63.4 34.3 71.3 31.7 23.2 8390.7 350.0 -32.9 -33.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72.3 33.9 67.3 8907.6 325.0 -37.1 -43.7 276.6 21.8 21.7 -4.6 331.6 399.9 99.9 99.9 99.9 99.9 99.9 99.9 9	12.5	35.7	3437.9	675.0	3.7	-16.0	260.8	20.5	20.2	3. 3	309.9	315.1	1.7	22.5	11.8	74.
16.3	13.9	42.4	3743.2	650.0	1.5	-12.6	250.7	21.0	19.8	6.9	310.9	317.8	2.2	34.1	13.7	74.
17.5	15.1	45.4	4057.2	625.0	-1.7	-12.0	244.4	18.6	16.6	e. 0	310.e	316.3	2.4	45.1	15.2	73.
18.9, 54.8 5057.6 550.0 -11.0 -12.8 241.1 19.9 17.5 9.6 311.3 319.2 2.6 86.7 19.3 71.2 20.4 57.5 3413.9 525.0 -12.9 -15.1 238.0 23.2 19.7 12.3 313.2 320.2 2.3 83.6 21.1 70.2 21.9 61.3 5785.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 321.2 1.9 77.0 23.2 69.2 23.3 64.7 6172.0 475.0 -17.2 -23.1 246.4 20.7 19.0 8.3 316.7 320.8 1.2 59.9 25.2 69.2 24.7 66.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 310.0 321.2 1.0 55.6 26.7 69.2 24.7 66.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 310.0 321.2 1.0 55.6 26.7 69.2 24.7 66.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 310.0 321.2 1.0 55.6 26.7 69.2 27.8 75.3 7437.6 400.0 -26.2 -32.7 264.5 26.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 31.0 69.2 27.8 75.3 7437.6 400.0 -26.2 -32.7 264.5 26.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 31.0 69.2 29.7 79.3 7901.3 375.0 -32.9 -39.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72.3 33.9 87.3 8907.6 325.0 -32.9 -39.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72.3 34.9 87.3 8907.6 325.0 -37.1 -43.7 276.6 21.8 21.7 -2.5 325.5 320.3 0.2 49.7 40.5 74.3 36.1 91.8 6456.9 300.0 -40.0 99.9 280.7 28.1 27.6 -5.2 328.9 99.9 99.9 99.9 99.9 99.9 99.9 46.1 77.4 40.6 101.2 10675.7 250.0 -50.0 99.9 288.5 14.4 13.7 -4.6 331.8 99.9 99.9 99.9 99.9 99.9 46.1 77.4 40.6 101.2 10675.7 250.0 -50.0 99.9 288.5 14.4 13.7 -4.6 331.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	16.3	48.5	4380.6	600.0	-4.6	-11.8	242.1	17.5	15.5	e • 2	311.1	318.9	2.6	57.1	16.4	73.
20.4 57.6 5413.9 525.0 -12.9 -15.1 238.0 23.2 19.7 12.3 313.2 320.2 2.3 83.6 21.1 70. 21.9 61.3 5785.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 321.2 1.9 77.0 23.2 69. 23.3 64.7 6172.0 475.0 -17.2 -23.1 246.4 20.7 19.0 6.3 316.7 320.8 1.2 59.9 22.6 6.2 24.7 68.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 318.0 321.2 1.0 55.6 26.7 69. 24.7 68.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 318.0 321.2 1.0 55.6 26.7 69. 25.1 71.4 6996.6 425.0 -23.5 -28.6 249.7 24.3 22.8 8.5 319.0 321.8 0.8 62.3 28.6 69. 27.8 75.3 7437.6 400.0 -26.2 -32.7 264.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 31.0 69. 29.7 79.3 7901.3 375.0 -29.4 -34.1 268.3 25.1 25.1 0.8 322.6 324.6 0.6 63.4 34.3 71. 31.7 83.2 8390.7 350.0 -32.9 -39.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72. 33.9 87.3 8907.6 325.0 -37.1 -43.7 276.6 21.8 21.7 -2.5 325.5 326.3 0.2 49.7 40.5 74. 36.1 91.8 5456.9 300.0 -40.0 99.9 280.7 28.1 27.6 -5.2 328.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9	17.5	51.5	4713.8	575.0	-7.9	-13.1	244.5	19.4	17.5	8.4	311.0	318.4	2.4	66.2	17.7	72.
21.9 61.3 5785.4 500.0 -14.7 -17.8 245.2 24.9 22.6 10.4 315.3 321.2 1.9 77.0 23.2 69. 23.3 64.7 6172.0 475.0 -17.2 -23.1 240.4 20.7 19.0 6.3 316.7 320.8 1.2 59.9 25.2 69. 24.7 68.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 10.7 8.1 318.0 321.2 1.0 55.6 26.7 69. 26.1 71.4 6996.6 425.0 -23.5 -28.6 249.7 24.3 22.8 8.5 319.0 321.8 0.8 62.3 28.6 69. 27.8 75.3 7437.6 400.0 -26.2 -32.7 264.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 31.0 69. 29.7 79.3 7901.3 375.0 -29.4 -34.1 266.3 25.1 25.1 0.8 32.4.6 0.6 63.4 34.3 71. 31.7 63.2 8390.7 350.0 -32.9 -39.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72. 33.9 87.3 8907.6 325.0 -37.1 -43.7 276.6 21.8 21.7 -2.5 325.5 326.3 0.2 49.7 40.5 74. 36.1 91.8 645.9 300.0 -40.0 99.9 285.9 21.4 20.6 -5.2 328.9 99.9 99.9 99.9 99.9 99.9 46.1 77. 40.6 101.2 10675.7 250.0 -50.0 99.9 285.9 21.4 20.6 -5.9 330.6 999.9 99.9 99.9 99.9 48.5 79. 43.1 106.5 11357.0 225.0 -54.8 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 99.9 99.9 50.4 80.4 80.4 12.0 12099.3 200.0 -60.8 99.9 270.7 10.6 10.6 10.6 -0.2 336.4 999.9 99.9 99.9 99.9 57.3 81. 52.3 124.7 13855.5 150.0 -60.8 99.9 270.7 10.6 10.6 10.6 -0.2 336.4 999.9 99.9 99.9 99.9 57.3 81.5 52.3 124.7 13855.5 150.0 -60.8 99.9 270.5 10.6 10.6 10.6 -0.2 336.4 999.9 99.9 99.9 99.9 57.3 81.5 52.3 124.7 13855.5 150.0 -60.8 99.9 270.5 10.6 10.6 -0.2 336.4 999.9 99.9 99.9 99.9 99.9 99.9 99.9	18.9.	54.8	5057.6	550.0	-11.0	-12.8	241.1	19.9	17.5	9.6	311.3	319.2	2.6	86.7	19.3	71.
23.3	20.4	57.5	5413.9	525.0	-12.9	-15-1	238.0	23.2	19.7	12.3	313.2	320.2	2.3	83.6	21.1	70.
24.7 68.1 6575.4 450.0 -20.1 -26.7 244.0 18.5 16.7 8.1 318.0 321.2 1.0 55.6 26.7 69. 28.1 71.4 6996.6 425.0 -23.5 -28.6 249.7 24.3 22.8 8.5 319.0 321.8 0.8 62.3 28.6 69. 27.8 75.3 7437.6 400.0 -26.2 -32.7 264.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 310.0 69. 29.7 79.3 7901.3 375.0 -29.4 -34.1 268.3 25.1 25.1 0.8 322.6 324.6 0.6 63.4 34.3 71. 31.7 83.2 8390.7 350.0 -32.9 -39.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72. 33.9 87.3 8907.6 325.0 -37.1 -43.7 276.6 21.8 21.7 -2.5 325.5 326.3 0.2 49.7 40.5 74. 36.1 91.8 9456.9 30.00 -40.0 99.9 280.7 28.1 27.6 -5.2 328.9 999.9 99.9 999.9 48.5 74. 38.2 96.4 10045.3 275.0 -44.6 99.9 285.9 21.4 20.6 -5.9 330.6 999.9 99.9 999.9 48.5 79. 43.1 106.5 11357.0 225.0 -54.8 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 99.9 999.9 48.5 79. 43.1 106.5 11357.0 225.0 -50.0 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 99.9 99.9 50.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 8	21.9	61.3	5785.4	500.0	-14.7	-17.8	245.2	24.9	22.6	10.4	315.3	321.2	1.9	77.0	23.2	69.
26.1 71.4 6996.6 425.0 -2J.5 -28.6 249.7 24.3 22.8 8.5 319.0 321.8 0.8 62.3 28.6 69.27.8 75.3 7437.6 400.0 -26.2 -32.7 264.5 26.5 26.4 2.5 320.9 323.0 0.6 54.1 31.0 69.29.7 79.3 7901.3 375.0 -29.4 -34.1 268.3 25.1 25.1 0.8 322.6 324.6 0.6 63.4 34.3 71.0 79.3 7901.3 375.0 -32.9 -39.7 266.9 29.8 29.7 1.6 324.4 325.6 0.3 49.9 37.3 72.3 33.9 87.3 8907.6 325.0 -37.1 -43.7 276.6 21.8 21.7 -2.5 325.5 326.3 0.2 49.7 40.5 74.3 36.1 91.8 9456.9 300.0 -40.0 99.9 280.7 281. 27.6 -5.2 328.9 99.9 99.9 99.9 99.9 43.8 75.3 38.2 96.4 10045.3 275.0 -44.6 99.9 285.9 21.4 20.6 -5.9 330.6 99.9 99.9 99.9 99.9 46.1 77.4 40.5 101.2 10675.7 250.0 -50.0 99.9 288.5 14.4 13.7 -4.6 331.8 99.9 99.9 99.9 99.9 99.9 48.5 79.4 40.6 101.2 10675.7 250.0 -50.0 99.9 287.0 10.6 10.1 -3.1 334.6 99.9 99.9 99.9 99.9 99.9 50.4 80.4 40.8 112.0 1299.3 20.0 -60.8 99.9 270.7 16.6 16.6 -0.2 336.4 99.9 99.9 99.9 99.9 53.0 80.4 49.0 118.0 12916.4 175.0 -60.3 99.9 279.5 24.9 24.5 -4.1 340.6 99.9 99.9 99.9 99.9 99.9 57.0 80.4 40.5 12.4 13.8 14.9 15.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 99.9 99.9 99.9 99.9 99.9 99.9 99.9	23.3	64.7	6172.0	475.0	-17.2	-23.1	246.4	20.7	19.0	e. 3	316.7	320.8	1.2	59.9	25. 2	69.
27.8       75.3       7437.6       400.0       -26.2       -32.7       264.5       26.5       26.4       2.5       320.9       323.0       0.6       54.1       31.0       69.2         29.7       79.3       7901.3       375.0       -29.4       -34.1       268.3       25.1       25.1       0.8       322.6       324.6       0.6       63.4       34.3       71.         31.7       63.2       8390.7       350.0       -32.9       -39.7       266.9       29.8       29.7       1.6       324.4       325.6       0.3       49.9       37.3       72.3         33.9       67.3       8907.6       325.0       -37.1       -43.7       276.6       21.8       21.7       -2.5       325.5       326.3       0.2       49.7       40.5       74.0       57.3       36.1       91.8       9456.9       30.0       -40.0       99.9       280.7       281.1       27.6       -5.2       328.9       99.9       99.9       99.9       99.9       99.9       280.7       281.1       27.6       -5.9       330.6       99.9       99.9       99.9       280.7       28.1       27.6       -5.9       330.6       99.9       99.9       99.	24.7	68-1	€575•4	450.0	-20.1	-26.7	244.0	18.5	16.7	8.1	318.0	321.2	1.0	55. ć	26.7	69.
29.7       79.3       7901.3       375.0       -29.4       -34.1       268.3       25.1       25.1       0.8       322.6       324.6       0.6       63.4       34.3       71.6         31.7       63.2       8390.7       350.0       -32.9       -39.7       266.9       29.8       29.7       1.6       324.4       325.6       0.3       49.9       37.3       72.         33.9       67.3       8907.6       325.0       -37.1       -43.7       276.6       21.8       21.7       -2.5       325.5       326.3       0.2       49.7       40.5       74.0       35.1       21.4       27.6       -5.2       328.9       99.9       99.9       99.9       99.9       99.9       280.7       28.1       27.6       -5.2       328.9       99.9	26.1	71.4	6996.6	425.0	-23.5	-28.6	249.7	24.3	22.8	8 • 5	319.0	321 - 8	0.8	62.3	28.6	69.
31.7	27.8	75.3	7437.6	400.0	-26.2	-32.7	264.5	26.5	26.4	2.5	320.9	323.0	0.6	54.1	31.0	69.
33.9	29.7	79.3	7901.3	375.0	-29.4	-34.1	268.3	25.1	25.1	0.8	322.6	324.6	0.6	63.4	34. 3	71.
36.1 91.8 \$456.9 300.0 -40.0 99.9 280.7 28.1 27.6 -5.2 328.9 999.9 99.9 999.9 43.8 75.  38.2 96.4 10045.3 275.0 -44.6 99.9 285.9 21.4 20.6 -5.9 330.6 999.9 99.9 999.9 46.1 77.  40.6 101.2 10675.7 250.0 -50.0 99.9 288.5 14.4 13.7 -4.6 331.8 999.9 99.9 999.9 48.5 79.  43.1 106.5 11357.0 225.0 -54.8 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 99.9 99.9 50.4 80.  45.8 112.0 12099.3 200.0 -60.8 99.9 270.7 16.6 16.6 -0.2 336.4 999.9 99.9 99.9 99.9 53.0 80.  49.0 118.0 12916.4 175.0 -66.3 99.9 279.5 24.9 24.5 -4.1 340.6 999.9 99.9 99.9 99.9 57.3 81.  52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 999.9 99.9 99.9 99.9 57.3 81.  56.7 131.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.4 -1.9 380.5 999.9 99.9 99.9 99.9 70.1 85.  67.7 147.3 18070.5 75.0 -69.2 99.9 295.7 15.1 13.6 -6.6 399.9 99.9 99.9 99.9 99.9 99.9 81.6 87.  76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 99.9 99.9 99.9	31.7	63.2	8390.7	350.0	-32.9	-39.7	266.9	29.8	29.7	1.6	324.4	325.6	0.3	49.9	37.3	72.
38.2 96.4 10045.3 275.0 -44.6 99.9 285.9 21.4 20.6 -5.9 330.6 999.9 99.9 999.9 46.1 77.4 40.6 101.2 10675.7 250.0 -50.0 99.9 288.5 14.4 13.7 -4.6 331.8 999.9 99.9 99.9 999.9 48.5 79.4 106.5 11357.0 225.0 -54.8 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 99.9 99.9 99.9 50.4 80.6 45.8 112.0 12099.3 200.0 -60.8 99.9 270.7 16.6 16.6 -0.2 336.4 999.9 99.9 99.9 99.9 53.0 80.4 49.0 118.0 12916.4 175.0 -66.3 99.9 279.5 24.9 24.5 -4.1 340.6 999.9 99.9 99.9 99.9 57.3 81.6 52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 999.9 99.9 99.9 99.9 57.3 81.6 56.7 131.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.4 -1.9 380.5 999.9 99.9 99.9 99.9 70.1 85.6 139.3 16342.7 100.0 -66.2 99.9 295.7 15.1 13.6 -6.6 399.9 99.9 99.9 99.9 99.9 99.9 99.9	33.9	e7.3	8907.6	325.0	-37.1	-43.7	276.6	21.8	21.7	-2.5	325.5	326.3	0.2	49.7	40.5	74.
40.6 101.2 10675.7 250.0 -50.0 99.9 288.5 14.4 13.7 -4.6 331.8 999.9 99.9 999.9 999.9 48.5 79. 43.1 106.5 11357.0 225.0 -54.8 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 999.9 50.4 80. 45.8 112.0 12099.3 200.0 -60.8 99.9 270.7 16.6 16.6 -0.2 336.4 999.9 99.9 999.9 53.0 80. 49.0 118.0 12916.4 175.0 -66.3 99.9 279.5 24.9 24.5 -4.1 340.6 99.9 99.9 99.9 99.9 57.3 81. 52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 99.9 99.9 99.9 99.9 57.3 81. 52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 999.9 99.9 99.9 99.9 62.8 83. 56.7 121.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.6 -1.9 380.5 999.9 99.9 99.9 70.1 85. 61.4 139.3 16342.7 100.0 -66.2 99.9 295.7 15.1 13.6 -6.6 399.9 99.9 99.9 99.9 99.9 99.9 77.8 86.6 67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 99.9 99.9 99.9 99.9 81.6 87. 76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 99.9 99.9	36.1	91.8	9456.9	300.0	-40.0	99.9	280.7			-5.2	328.9	999.9	99. 9		43.8	75.
43.1 106.5 11357.0 225.0 -54.8 99.9 287.0 10.6 10.1 -3.1 334.6 999.9 99.9 999.9 50.4 80.4 80.4 80.4 80.4 80.4 80.4 80.4 8	38.2	96.4		275.0	-44.6	99.9	285.9	21.4%	20.6	-5.9	330.6	999.9	99.9	999.9	46.1	77.
45.8 112.0 12099.3 200.0 -60.8 99.9 270.7 16.6 16.6 -0.2 336.4 999.9 99.9 99.9 99.9 53.0 80. 49.0 118.0 12916.4 175.0 -66.3 99.9 279.5 24.9 24.5 -4.1 340.6 999.9 99.9 99.9 99.9 57.3 81. 52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 999.9 99.9 99.9 99.9 62.8 83. 56.7 131.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.4 -1.9 380.5 999.9 99.9 99.9 99.9 70.1 85. 56.4 139.3 16342.7 100.0 -66.2 99.9 273.5 15.1 13.6 -6.6 399.9 99.9 99.9 99.9 99.9 70.1 85. 67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 999.9 99.9 99.9 99.9 81.6 87. 76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 99.9 99.9	40.5	101.2	10675.7	250.0	-50.0	99.9	288.5	14.4	13.7	-4.6	331.e	999.9	99.9	999.9	48c 5	79.
49.0 118.0 12916.4 175.0 -66.3 99.9 279.5 24.9 24.5 -4.1 340.6 999.9 99.9 99.9 99.9 57.3 81.52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 999.9 99.9 99.9 99.9 62.8 83.56.7 131.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.4 -1.9 380.5 999.9 99.9 99.9 99.9 70.1 85.6 61.4 139.3 16342.7 100.0 -66.2 99.9 295.7 15.1 13.6 -6.6 399.9 99.9 99.9 99.9 99.9 77.8 86.6 67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 99.9 99.9 99.9 99.9 81.6 87.7 6.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 99.9 99.9 83.6 88.	43-1	106.5	11357.0	225.0	-54.8	99.9	287.0	10.6	10.1	-3.1	334.6	999.9	99.9	999.9	50.4	80.
52.3 124.7 13855.5 150.0 -64.4 99.9 282.6 27.1 26.4 -5.9 359.2 999.9 99.9 999.9 62.8 83. 56.7 131.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.6 -1.9 380.5 999.9 99.9 99.9 70.1 85. 61.4 139.3 16342.7 100.0 -66.2 99.9 295.7 15.1 13.6 -6.6 399.9 99.9 99.9 99.9 99.9 77.8 85. 67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 99.9 99.9 99.9 99.9 81.6 87. 76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 99.9 99.9 83.6 88.	45.8	112.0	12099.3	200.0	-60.8	99.9	270.7	16.6	16.6	-0.2	336.4	999.9	99.9	999.9	53.0	80.
56.7 131.8 14975.3 125.0 -63.2 99.9 273.5 31.4 31.4 -1.9 380.5 999.9 99.9 99.9 70.1 85.6 61.4 139.3 16342.7 100.0 -66.2 99.9 295.7 15.1 13.6 -6.6 399.9 999.9 99.9 99.9 999.9 77.8 86.6 67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 999.9 99.9 999.9 81.6 87.7 76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 999.9 83.6 88.	49.0	118.0	12916.4	175.0	-6¢.3	99.9	279.5	24.9	24.5	-4. 1	340.6	999•9	99.9	999.9	57.3	81.
61.4 139.3 16342.7 100.0 -66.2 99.9 295.7 15.1 13.6 -6.6 399.9 999.9 99.9 999.9 77.8 86.67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 999.9 99.9 999.9 81.6 87.7 76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 999.9 83.6 88.	52.3	124.7	13855.5	150.0	-64.4	99.9	282.6	27.1	26.4	-5.9	359.2	999.9	99.9	999.9	62. 8	83.
67.7 147.3 18070.5 75.0 -69.2 99.9 272.7 5.7 5.7 -0.3 427.9 999.9 99.9 999.9 81.6 87. 76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 999.9 83.6 88.	56.7	121.8	14975.3	125.0	-63.2	99.9	273.5	31.4	31.4	-1.9	380.5	999.9	99.9	999.9	70.1	85.
76.2 156.0 20541.3 50.0 -63.0 99.9 260.4 1.0 1.0 0.2 495.0 999.9 99.9 999.9 83.6 88.	61.4	139.3	16342.7	100.0	-66.2	99.9	295•7	15.1	13.6	-6.6	399.9		99.9	999.9		86.
	67.7	147-3	18070-5	75•0	-69.2	99.9	272.7	5.7	5.7	-0.3	427.9	999.9	99.9	999.9	81.6	87.
90.0 165.5 24952.6 25.0 -52.1 99.9 53.9 7.4 -6.0 -4.4 635.0 999.9 99.9 999.9 82.9 90.	76.2	156.0	20541.3	50.0	-63.0	99.9	260.4	1.0	1.0	0.2	495.0	999.9	99.9			88.
	90.0	165.5	24952.6	25.0	-52-1	99.9	53.9	7.4	-6.0	-4.4	635.0	999.9	99.9	999.9	82. 9	90.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 232 BCCTHVILLE. LA

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFW	. MB	DG C	DG C	, DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.0	1.0	1016.0	22.7	22.0	170.0	3.1	-0.5	3.1	256.7	339.9	16.7	96.0	0.0	0.	
0.4	6.2	140.1	1000.0	22.9	21.8	181.7	9.9	0.3	9.9	298.3	341.9	16.7	93.7	0.3	354.	
1.2	8.5	361.2	975.0	21.3	20.1	184.8	9.1	0.8	9.1	298.6	339.0	15.4	93.1	0.7	359.	
2.1	10.7	586.5	950.0	19.7	18.5	189.9	9.8	1.7	9.7	299.1	336.7	14.3	93.1	1.1	3.	
3.0	12.9	816-8	925.0	19.5	13.8	195.4	10.5	2.8	10.2	300.7	329.7	10.8	69.6	1.7	6.	
3.9	15.3	1052.8	900.0	18.8	8.7	193.1	12.4	2.8	12.1	301.9	323.6	7.9	51.9	2.3	. 8.	
4.7	17.5	1294.4	875.0	18.2	7.0	194.9	13.2	3.4	12.7	303.7	324.3	7.4	49.3	3.0	9.	
5.7	20.0	1542.2	850.0	16.2	10.1	200-2	12.4	4.3	11.6	304.3	329.6	9.2	67.1	3. 7	11.	
6.7	22.3	1795.9	825.0	14.5	5.5	200.4	12.3	4.3	11.5	304.9	324.6	7.1	55.6	4.5	13.	
7.7	24.8	2055.4	800.0	13.3	1.4	214.1	11.3	6•3	9.3	306.0	321.3	5.3	44.4	<b>'5.</b> 1	14.	
8.8	27.2	2322.0	775.0	12.4	-9.0	226.7	11.0	8.0	7.5	307.4	314.9	2.5	21.5	5• 8	18.	
9.6	29. B	2596.1	750.0	10.9	-13.2	228.9	10.6	8.0	7.0	308.7	314.4	1.8	16.9	6.3	20.	
10.7	32.5	2877.7	725.0	9.7	-13.6	215.8	10.4	6.1	8.4	310.3	316.1	1.9	18.2	6. 9	23.	
11.8	35,2	3168.5	700.0	8.9	-1.3	204.9	10.8	4.6	9. 3	312.9	327.7	5.0	49.1	7.5	23.	
12.8	37.8	3468.2	675.0	6.2	-6.3	199.8	10.5	3.6	9.9	313.1	324.0	3.6	41.2	8. 3	23.	
13.9	40-5	3777.0	650.0	5.0	-19.0	187.2	10.7	1.3	10.6	314.8	319.1	1.3	15.9	8. 9	22.	
15-1	43.2	4095.6	625.0	3.0	-17.6	191.9	11.2	2.3	11.0	316.0	320.9	1.5	20.4	9.6	21.	
16.2	46-1	4424.4	600.0	0.2	-12.8	202.4	10.9	4.1	10.1	316.6	324.1	2.4	36.7	10.3	21.	
17.3	49.1	4764.4	575.0	-1.9	-16.0	231.3	9.6	7.5	6.0	318.0	324.1	1.9	33.0	11.1	22.	
18.6	52.0	5116-1	550.0	-4.7	-20.5	269.1	9.2	9.2	0.1	318.6	323.0	1.4	27.6	11.6	24.	
19.9	65.2	5480.0	525.0	-8.2	-20.0	284.4	7.8	7.5	-1.9	318.7	323.5	1.5	37.A	11.7	28.	
21.3	58.3	5856+7	500.0	-11.4	-20.0	274.7	7.3	7.3	-0.6	319.3	324.4	1.6	49.1	11.9	30.	
22.8	61.6	6247.9	475.0	-14.4	-26.5	279.9	9.2	9.1	-1.6	320.2	323.3	0.9	34.9	12.2	. 33.	
24.2	65. O	6655.5	450.0	-16.9	-30.6	268.1	11.5	11.5	0.4	322.0	324.3	0.7	29.0	12.7	37.	
25.9	68.4	7082.1	425.0	-20-1	-32.7	271.4	14.4	14.4	-0.3	323.2	325.2	0.6	31.8	13.5	41.	
27.3	71.7	7530.1	400.0	-22-2	-30.2	276.4	19.4	19.3	-2.2	326.1	328.8	0.8	47.9	14.4	46.	
28.9	75.5	8001.2	375.0	-26.0	-28.1	275.9	23.9	23.9	-2.5	327.2	330.6	1.0	82.8	15.8	52.	
30.5	79.5	8497.3	350.0	-29.7	-31.7	275.1	23.9	23.8	-2.1	328.7	331 .4	0.8	82.9	17.6	57.	
32.4	83.4	9021.5	325.0	-33.0	-43.0	281.5	23.3	22.9	-4.6	331.1	332.1	0.3	36.6	19.7	62.	
34.4	87.5	9580.4	300.0	-36.7	-50.7	283.7	27.7	26.9	-6.6	333.5	334.0	0.1	21.7	22.2	67.	
36.7	92.2	10176-3	275.0	-41.9	99.9	288.5	27.2	25.8	-8.6	334.5	999.9	99.9	999.9	24.9	73.	
38.7	96.8	10814.5	250.0	-47.3	99.9	291.9	33.3	30.9	-12.5	335.8	999.9	99.9	999.9	28. 1	77.	
41.1	101.8	11502.5	225.0	-52.5	99.9	295.3	34.8	31.5	-14.9	338.1	999.9	99.9	999.9	32.1	82.	
43.7	107.5	12252.8	200.0	-59.0	99.9	291.8	36.4	33.8	-13.5	339.4	999.9	99.9	999.9	36.8	87.	
46.5	113.3	13077.2	175.0	-65-6	99.9	292.3	36.0	33.3	-13.7	341.6	999.9	99. 9	999.9	42.4	90.	
49.8	120.0	14006.1	150-0	-65.8	99.9	273.5	34.7	34.7	-2-1	356.7	999.9	99.9	999.9	48.8	93.	
53.7	127.0	15119.7	125.0	-64-1	99.9	279.2	25.9	25.6	-4.1	379.0	999.9	99.9	999.9	56. 3	94.	
58.4	135.3	16468.0	100.0	-69.0	99.9	284.1	15.6	15.2	-3.8	394.5	999.9	99.9	999.9	62. 1	94.	
64.1	143.0	18170.6	75.0	-72.2	99.9	267.6	10.8	10.8	0.5	421.5	999.9	99.9	999.9	66. 3	94.	
71.9	151.7	20631.0	50.0	-62.2	99.9	3.4	11.0	-0.7	-11.0	497.0	999.9	99.9	999.9	68.8	95.	
63.8	160.3	25027.3	25.0	-52.5	99.9	28.6	4-1	-2.0	-3.6	634.2	999.9	99.9	999.9	69.0	98.	
0340	160.3	23027.3	25.0	-52.5	33.3	€0.0		-2.0	-300	03402	22262	230.2	77767	698 0		706

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEWP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 235 JACKSON. MISS

## 25 APRIL 1975

1115 GMT 165 16. PRES TIME CNTCT HE I GHT TEMP CEW PT DIR SPEED U COMP V CCMP E POT T MX RTO POT T RH RANGE AZ DG C MIN GFM MB DG C DG M/SEC M/SEC M/SEC DG K GM/KG PCT DG K KY DĢ 1004.7 21.7 19.4 180.0 0.0 4.3 100.0 2.6 0.0 2.6 296.4 333.7 14.3 87.0 C. 0 C. 0.1 4.8 140.8 1000.0 21.2 19.4 222.6 6.4 4.3 4.7 296.3 333.8 14.4 89.6 0.1 9. 6.8 360.9 .975.0 20.8 19.9 228.7 9.5 7.1 298.1 337.9 35. 1.0 €, 3 15.2 94.4 0.4 1.7 9.0 586.2 950.0 19.7 18.7 233.1 12.3 9.8 7.4 299.1 337.3 14.5 94.0 0.8 44. 2.4 11.1 816.7 925.0 18.6 17.4 234.0 14.8 12.0 8.7 300.2 336.5 13.7 93.1 1.4 49. 3.2 13.4 1052.2 900.0 17.2 16.0 233.7 15.0 12.1 8.9 300.9 335.3 12.9 93.1 2. 1 50. 3.9 15.6 1292.7 875.0 16.3 241.2 15.4 301.7 321.8 6.9 13.5 7.4 7.3 55.0 2.8 51. 18.0 1539.4 850.0 15.9 250.7 304.0 327 . 4 4.7 8.9 13.4 12.6 4.4 8.5 63.1 3.4 55. 4.5 5.5 20.4 1792.9 825.0 14.4 7.4 250.6 13.7 12.9 304.9 326.8 7.9 62.6 4.1 57. 22.8 2052.9 800.0 14.0 3.7 253.4 15.3 14.7 306.9 324.7 50.0 4.8 60. 6.4 4.4 6.3 7.4 25.3 2320.1 775.0 12.4 0.2 251.0 17.0 16.0 5.5 307. € 322.3 5.0 43.2 5. 7 62. 27.9 2594.1 750.0 10.5 -3·2 249.6 17.4 16.3 6.0 308.5 320.4 38.0 7.0 6.3. 8.6 4.0 9.7 30.7 2875.4 725.0 5.0 -8.8 259.3 16.4 16.1 3. I 309.7 317.9 2.7 27.3 8. 1 64. -11.2 10.6 33.3 3165.4 700.0 7.7 264.6 15.9 15.8 1.5 311.3 318.5 2.3 24.7 9.0 67. 11.7 36.0 3463.5 675.0 5.6 -11.5 250.6 15.1 14.3 5.0 312.2 319.5 2.4 27.9 9.9 68. 12.5 39.0 3771.1 650.0 3.5 -12.3 240.2 15.2 13.2 7.6 313.2 320.3 2.3 30.1 10.7 68. 13.6 41.8 4C8E.0 625.0 0.6 -13.4 234-1 16.0 13.0 9.4 313.4 320.1 2.2 33.9 11.6 67. 14.7 44.9 4414.2 600.0 -2.0 -12.8 234.4 15.6 12.7 9.1 314.0 321.4 2.4 43.5 12.7 65. 15.9 48.0 4751.2 575.0 -12.4 240.8 315.2 323.1 53.0 13.8 -4.3 17.7 15.5 8. 7 2.6 65. 17.2 51.1 5099.7 550.0 -7.7 -12-5 244.0 20.0 18.0 315.2 323.4 68.3 15.3 65. 8.8 2.7 15.4 54.4 5459.7 525.0 -10.9 -13.2 241.6 19.6 17.3 9.3 315.6 323.7 2.6 82.8 16.8 19.7 57.7 5832.9 500.0 -13.9 -15.3 241.1 19.8 17.3 316.4 323.7 2,3 88.7 18.3 64. 5.6 20.9 61.3 6220.8 475.0 -16.7 -16.9 245.1 22.2 20.1 9.3 317.5 324.3 2.1 97.9 19.8 64. 65.1 662t.3 450.0 -18.2 -27.9 254.6 22.5 21.7 320.4 323.2 42.3 21.6 22.2 6.0 0.9 65 23.6 68.8 7050.2 425.0 -21.7 -31.4 254.3 22.9 22.0 6.2 321.1 323.3 0.6 40.8 23.5 65. 72.7 7493.9 -25.2 -28.6 25.6 24.7 322.3 325.4 0.9 72.8 25. 5 25.2 400.0 254.5 6.8 60 76.8 7960.7 375.0 -27.9 -31.5 257.6 27.0 26.4 324.7 327.2 0.7 71.0 28.2 67. 26.7 5.8 28.3 61.0 8451.7 350.0 -32.4 -36.0 264.9 24.5 24.4 2.2 325.0 326.8 0.5 70.0 30.5 68. 30.3 45.5 6971.6 325.0 -35.3 -48.2 269.6 28.4 28.4 0.2 327.9 328 - 5 0.2 26.3 33. 2 70. 32.4 90.2 9524.6 300. GF -39.0 99.9 277.0 27.8 27.6 -3.4 330.5 999.9 99.9 999.9 36.7 72. 10115-6 -43.6 -2.1 332.0 999.9 99.9 999.9 40.2 74. 34.6 55.2 275.0 99.9 274.5 25.8 25.7 36.9 100.3 10749.0 250.0 -49.1 99.9 280.6 32.4 31.9 -5.9 333.1 999.9 99.9 999.9 43.6 76. 106.0 11432.2 -54.6 99.9 289.1 -9.2 334. € 999.9 99.9 999.9 47.8 79. 39.4 225.0 28.0 26.5 111.5 12175.9 -60.6 291.7 -10.8 336.9 999.9 99.5 999.9 51.7 81. 41.8 200.0 99.9 29.3 27.2 44.4 117.7 12995.3 175.0 -66.6 99.9 282.4 37.9 37.0 -8.1 340.0 999.9 99.9 999.9 56.3 83. 47.9 124. € 13934.6 150.0 -61.0 99.9 268.9 30.2 30.2 0.6 365.0 999.9 99.9 999.9 63.3 65. 52.2 132.0 15065.1 125.0 -63.0 99.9 297.0 21.7 19.4 -9.9 380.9 999.9 99.9 999.9 70.2 97. 57.0 139.7 16419.2 100.0 -66.2 275.8 13.7 13.7 399.9 999.9 99.9 999.9 77.9 99.9 -1.4 88. 62.6 147.3 18161.3 75.0 -66.2 99.9 303.0 3.7 3.1 -2.0 434.3 999.9 99.9 999.9 82. 6 88. 71.4 156.3 20658.9 50.0 -60.4 99.9 351.1 1.8 0.3 -1.8 501.2 999.9 99.9 999.9 83.7 99.

-49.9

99.9

25.0

84.4

165.5

250 96.0

-0.8

-7.6

641.5

999.9

99.9

999.9

82.9 91.

7.6

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEEC MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 240 LAKE CHARLES. LA

TIME	CNTCT	HE E GHT	PRES MB	TEMP DG C	DEW PT	DIR DG	SPEED M/SEC	U COMP	V CCMP M/SEC	POT T DG K	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	AZ DG	
0.0	4.0	5.0	1013.7	22.2	21.7	150.0	5•2	-2.6	4.5	296.4	338.8	16.4	97.0	0.0	0.	
0.3	4.9	123.9	1000.0	22.0	21.2	176.2	10.0	-0.7	10.0	297.3	339.2	16.1	95.3			
1.1	6.8	344.2	975.0	20.4	19.2	181.1	11.2	0.2	11.2	257.6	335.6	14.5	92.9			
2.1	8.9	568.8	950.0	18.8	17.4	194.4	9.4	2.4	9.1	298.0	333.1	13.3	91.9	1.3	360.	
2.8	10.9	796.7	925.0	19.1	15.6	201.2	6.3	2 • 3	5.8	300.5	333.0	12.2	80.2	1.6	4.	
3.7	13.0	1034.2	900.0	18-1	9.5	200.2	3.7	1.3	3.5	301.2	324.0	8.3	57.3	1.8	6.	
4.7	15.2	1275.5	875.0	17.0	7.8	214.2	6.8	3.8	5.6	302.5	323.5	7.6	54.7	2. 1	9.	
5.6	17.3	1522.0	850.0	15.7	-1.8	208.0	9.7	4.5	8.5	303.1	315.0	4.1	31.6	2. 5	14.	
6.5	19.6	1775.0	825.0	14.5	3.5	202.6	10.3	4.0	9.5	304.7	321 .6	6.0	47.5	3.1	15.	
7.5	21.8	2034.4	800.0	12.8	2.9	209.7	11.8	5.8	10.2	305.6	322.3	5.9	51.0	3. 7	17.	
8 . 5	- 24.2	2300.4	775.0	11.7	-6.9	211.0	13.8	7.1	11.8	306.8	315.6	2.9	26.5	4.5	19.	
9.5	25.4	2573.9	750.0	10.6	-23.6	217.9	14.5	8.9	11.4	308.3	312.7	1.4	13.4	5.3	22.	
10.7	28.9	2855.3	725.0	9.8	-43.9	226.8	14.7	10.7	10.1	310.3	310.6	0.1	1.0	6.3	25.	
11.7	21.5	3146.0	700.0	9.5	-44.1	237.9	14.5	12.3	7.7	313.0	313.4	0.1	1.0	7.2	28.	
12.8	34.1	3446.3	675.0	7.7	-43.3	255.0	12.1	11.7	3. 1	314.3	314.8	0.2	1.6	7.9	32.	
13.9	36.5	3756.2	650.0	6.1	-15.3	266.1	10.3	10.2	0.7	316.1	321.9	1.8	20.3	8.3	36.	
15.1	39.2	4076.0	625.0	3.7	-11.6	267.7	10.5	10.5	0.4	317.0	324.9	2.5	31.7	8.9	40.	
16.3	41.8	4406.6	600.0	1.8	-8.7	270.2	11.7	11.7	-0.0	318.6	328.8	3.3	45.6	9.4	44.	
17.7	44.7	4748.1	575.0	-1.7	-8.9	270.9	11.6	11.6	-0.2	318.4	328.9	3.4	57.8	10.0	48.	
18.9	47.6	5099.7	550.0	-5.2	-12.5	264.8	12.9	12.8	1.2	318.2	326.6	2.7	56.4	10.8	51.	
20.3	50.5	5463.2	525.0	-8.3	-17.5	268.7	13.1	13.1	0.3	318.7	324.6	1.6	47.2	11.6	54.	
21.6	E 3 o 6	5839-7	500.0	-11.4	-23.3	277.9	14.5	14.3	-2,0	319.3	323.1	1.2	36.6	12.5	57.	
22.9	56.6	6231.0	475.0	-14.1	-47.3	271.7	16.2	16.2	-0.5	320.5	321.3	0.3	9.3	13.4	60.	
24.2	59.9	6640.2	450.0	-15.6	-59.8	262.9	16.3	16.2	2.0	323.6	323.7	0.0	1.0	14.6	63.	
25.8	63.4	7068.4	425.0	-18.8	-61.9	266.7	16.7	16.6	1.0	324.8	324.8	0.0	1.0	16.1	65.	
27.5	66.7	7517.8	400.0	-21.3	-63,5	267.4	19.3	19.2	0.9	327.2	327.3	0.0	1.0	17.6	67.	
29.3	70.4	7990.9	375.0	-24.7	-50.7	263.4	23+2	23.1	2.7	328.9	329.5	0.2	12.0	20.0	69.	
31.2	74.2	8489.3	350.0	-28.5	-68-1	265.7	22.1	22.1	1.7	330.3	330.4	0.0	1.0	22• 4	70.	
33.1	76.3	9017.0	325.0	-32.2	-70.6	273.8	24.0	23.9	-1.6	332.3	332.3	0.0	1.0	24.9	73.	
35.0	62.3	9576.9	300.0	-36-7	-70.6	286.6	25.5	24.4	-7.3	333.6	333.6	0.0	1.9	27.5	75.	
37.2	86.6	10173.0	275.0	-41.7	99.9	285.9	27.9	26.8	-7.6	334.9	999.9	99.9	999.9	30.4	79.	
39.6	91.4	10811.4	250.0	-47-1	99.9	285.2	34.0	32.8	-8.9	336.0	999.9	99.9	999.9	34.4	82.	
42.2	96.4	11499.8	225.0	-52.7	99.9	288.1	32.3	30.7	-10.0	337.7	999.9	99.9	999.9	39. 2	85.	
45.1	101.8	12249.9	200.0	-58.5	99.9	284+9	33.2	32.1	-8.5	340.1	999.9	99.9	999.9	44.4	88.	
48.0	108.0	13076.9	175.0	-65.7	99.9	286.5	35.2	33.7	-10.0	341.5	999.9	99.9	999.9	50.0	90.	
51.3	114.7	140C7.3	150.0	-66.7	99.9	281.2	29.6	29.3	-5.8	355.1	999.9	99.9	599.9	56.6	92.	
55.2	122.0	15112-1	125.0	-65.9	99.9	276.4	29.5	29.3	-3.3	375.6	999.9	99.9	999.9	63.5		
60.1	131.0	16463.7	100.0	-66.7	99.9	280.2	20.8	20.5	-3.7	398.6	999.9	99.9	999.9	70.6	92.	
65.7	140.5	18195-1	75.0	-65.2	99,9	311.4	9.3	7.0	-6.1	436.2	999.9	99.9	999.9	76.0	93.	
74.0	151.5	20680.2	50.0	-60.7	99.9	999.9	99.9	99.9	99.9	500.6	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	

<sup>\*</sup> EY SFEED MEANS ELEVATION ANGLE BETREFN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME PAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 246 SHREVEPORT. LA

## 25 APRIL 1975 1115 GMT

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16. 0

TIME CNTCT DEW PT HEIGHT PRES TEMP DIR SPEED U COMP V CCMP E POT T POT T MX RTO RH RANGE MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM. DG 0.0 4.2 79.0 1004.1 22.2 19.4 170.0 3.6 -0.6 3.5 296.9 334.2 14.3 84.0 0.0 0 0.1 4.5 114.8 1000.0 22.2 19.7 180.7 6.2 0.1 6.2 297.4 335.7 14.7 85.8 0.1 355. 0.8 6.3 335.8 975.0 21.7 20.4 190.3 10.7 1.9 10.6 299.1 340.3 15.7 92.5 0.4 354. 561.6 950.0 20.3 19.1 203.5 12.2 11.1 299.8 338.9 10.4 e. 3 4.8 14.8 92.7 0.9 ٤. 2.2 10.3 792.4 925.0 19.1 17.9 215.4 15.0 8.7 12.2 300.8 338.3 14.1 92.6 1.5 16. 1029-2 900.0 222.2 301.3 336.3 3.0 12.3 17.5 16.3 15.6 10.4 11.5 13.1 92.5 2.2 23. 1269.6 875.0 239.8 303.6 333.3 3.8 14.4 17.7 13.1 17.1 14.8 8.6 10.9 74.8 2.9 30. 4.6 16.3 1518.0 850.0 17.8 254.0 17.4 16.7 4.8 305.6 323.1 6.2 41.0 3. 6 38. 4.4 1772.6 825.0 253.7 17.1 306.3 324.4 5.5 18.5 15.9 4.3 16.4 4.8 6.4 46.4 4.3 45. 6.3 20.7 2033.4 800.6 13.5 8.7 255.5 14.4 14.0 3.6 306.7 331.4 8.9 72.9 5.0 50. 2300.2 775.0 260.1 11.2 11.0 1.9 307.2 334.8 91.4 5. € 53. 7.2 22.9 11.2 9.9 10.0 2574.2 750.0 270.1 -0.0 308.3 332.0 82.3 6. 1 55. 8.0 25.2 9.8 6.9 8.3 8.3 8.4 9.0 27.5 2856.0 725.0 8.4 5.7 290.9 7.5 7.0 -2.7 309.8 332.5 8.0 83. I 6.3 58. 9.9 29.9 3145.5 700.0 6.2 4.1 291.4 9.0 8.4 -3.3 310.3 331.4 7.4 46.8 6.6 61. 10.7 32.4 3443.6 675.0 4.7 0.7 275.9 9.5 9.4 -1.0 311.7 329.2 6.0 75.3 6.9 64. 11.6 35. 0 3750.6 650.0 2,3 -1.2 262.9 12.0 11.9 1.5 312.3 328.2 5.4 77.7 7.4 65. 37.3 4066.5 625.0 -0.3 -4.2 259.2 14.7 14.4 2.8 312.6 326.2 4.6 76.5 8. 1 67. 12.4 13.6 4C. 1 4393.3 600.0 -0.2 -29.5 251.3 17.0 16.1 5.5 315.9 317.7 0.5 8.7 9.2 68. 4731.7 575.0 251.9 17.2 316.0 317.7 10.3 14.7 42.6 -3.4 -31.2 18.1 5.6 0.5 9.6 68. 45.4 5081.7 550.0 -5.4 -39.4 256.3 18.5 17.9 4.4 317.7 318.5 0.2 4.8 11.5 69. 15.8 319.1 12.9 16.9 48.4 5444.5 525.0 -8.4 -40.4 261.4 19.5 19.3 2.9 318.3 0.2 5.5 70. 319.3 14. 2 71. 51. i 5820.9 500.0 -11.2 -44.3 262.0 20.3 20.1 2.5 319.9 0. 1 4.5 18.1 19.3 54.3 6213.0 475.0 -13.4 -43.2 266.8 20.0 20.0 1.1 321.3 322.0 0.2 6.0 15. 6 72. 323.3 1701 74. 20.5 57.3 6621.9 450.0 -15.8 -48.3 270.1 20.3 20.3 -0.0 323.7 0.1 4.2 22.0 66.6 7050.6 425.0 -18.8 -48.2 271.6 20.2 20.2 -0.6 324.8 325.3 0.1 5.4 18.8 75. 23.6 64.1 7498.8 400.0 -22.6 -50.5 271.3 24.2 24.2 -0.5 325.6 325.9 0.1 5.8 20.8 77. 25.0 7968.8 375.0 -26.3 326.7 327.0 22.6 67.4 -52.8 276.7 23.5 23.4 -2.8 0.1 6.2 78. -54.6 329.2 329.5 0.1 24.9 26.6 71.0 8464.9 350.0 -29.3 280.1 25.3 24.9 -4-4 6.5 BC. 27.2 -57.2 330.8 331.0 6.9 28. 2 75.0 8990.0 325.0 -33.2 262.0 26.1 25.5 -5.4 0.0 82.

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136.0

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158.5

9547.1

10141.5

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11465.8

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13037.3

13963.6

15077.9

16442.0

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25095.4

27.2

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335.5

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-9.9

-4.2

-2.6

-2.3

-6.9

-3.1

-3.2

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 255 VICTORIA. TEX

25 APRIL 1975 1115 GMT

163 22. 0

100	114											•		and the state of		
TIME	CNTCT	HE I GHT	PRES	TEPP	DEM PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DĠ C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	4.2	33.0	1007.4	23.9	21.6	170.0	5.2	-0.9	5.1	298.6	341.4	16.4	87.0	0.0	0.	
0.2	4.8	97.8	1000.0	23.4	21.6	999.9	99.9	99.9	99.9	298.8	342.0	16.5	89.5	999. 9	999.	Ì
0.9	6.6	319.5	975.0	22.1	21.1	995.9	99.9	99.9	99.9	299.6	342.7	16.4	94.3	999.9	999.	
1.6	8. 9	545.7	950.0	20.8	19.7	999.9	99.9	99.9	99.9	300.4	341.2	15.5	93.8	999. 9	999.	
2.4	10.8	776.8	925.0	19.3	18.1	190.4	13.3	2.4	13.0	301.0	238.9	14.3	92.4	1.6	355.	
3.2	13.0	1013.5	900.0	21.3	7.1	194.4	17.7	4.4	17.2	304.4	324.2	7.1	39.9	2. 3	2.	
3.9	15.2	1257.2	875.0	19.9	7.7	194.2	17.6	4.3	17.1	305.5	326.7	7.6	45.1	3.1	5.	
4.8	17.4	1506.2	850.0	17.4	8.5	18559	16.2	2.6	15.9	305.5	328,4	8.2	55.8	4.0	7.	
5.7	19.9	1760.5	825.0	15.6	5.1	190.2	14.5	2.6	14.3	306.0	325.0	6.7	49.6	4.8	7.	
6.7	22.0	2021.2	800.0	15.3	-15.3	207.7	12.1.	5.6	10.8	307.6	312.2	1.5	10.7	5. 6	9.	
7.6	24.4	2290.7	775.0	16.8	-39.6	220.3	8.2	5.3	€.3	311.9	312.5	0.2	1.0	6. I	11.	
8.6	26.8	2569.0	750.0	16.5	-39.8	241.0	6.6	5.8	3.1	314.5	315.1	0.2	1.0	6, 4	13.	
9.5	29.3	2855.7	725.0	14.4	-30.2	275-9	4.9	4 - 9	-0.5	315-3	316.9	0.5	3.3	6.6	16.	
10.5	32.0	3149.9	760.0	11.5	-17.8	308.0	4.2	3.3	-2.6	315.3	319.7	1.3	11.1	6. 5	18.	
11.5	34.7	3452.3	675.0	5.1	-7.5	266.7	4.0	3.9	-1.2	316.2	326.1	3.2	30.2	6.4	20.	
12.6	37.2	3763.8	650.0	7.5	-22.0	267.0	2-0	5.9	0.3	317.5	320.9	1.0	10.5	6.6	22.	
13.7	40.1	4085.0	625.0	4.8	-21.9	278.3	8.9	8.8	-1.3	318.0	321.5	1.1	12.3	6. 7	26.	
14.9	42.6	4416.1	600.0	2.3	-23.2	275.3	10.8	10.8	-1.0	316.9	322.1	1.0	13.1	6. 9	32.	
15.9	45.8	4758.0	575.0	-0.4	-27.0	269.4	11.3	11.3	C• 1	319.5	322.0	0.7	11.2	7. 3	37.	٠.
17.1	45.9	5110.9	55C.O	-3.8	-28.5	270.4	12.0	12.0	-0.1	319.6	321.8	0.7	12.5	7.9	42.	
18.4	51.3	5476.0	525.0	-7.0	-26.7	267.7	15.2	15.1	0.6	320.1	322.8	0.8	18.9	8. 6	46.	
19.7	55.0	5854.2	500.0	-9.9	-29.8	265.3	19.3	19.2	1.6	321.0	323.2	0.6	17.7	9.6	52.	
21.0	58.0	6248.7	475.0	-11.7	-25.6	265.8	20.1	20.1	1.5	323.5	326.9	1.0	30.3	11.0	56.	
22.5	61.4	6661.8	450.0	-13-6	-30-6	279.2	18.5	18.6	-3.0	326.1	328.4	0.7	22.4	12.4	61.	
24.0	65.0	7093.2	425.C	-17.3	-23.2	274.8	21.0	20.9	-1.8	326.9	331 • 6	1.4	60.0	13.9	65.	
25.5	65.6	7545.7	400.0	-20.3	-27.4	276.1	19.4	19.3	-2.1	328.7	332.2	1.0	52.5	15.5	69.	
27.2	72•2	8020.2	375.0	-24.2	-28.2	275.6	22.3	22.2	-2.2	329.6	333.1	1.0	69.1	17.3	72.	
28.7	76.3	8520 <b>.</b> 2	350.0	-27.7	-34.7	276.0	22.3	22.2	-2.3	331.3	333.4	0.6	51.2	19. 4	7++	
30.4	<b>00</b>	9049-6	325.0	-31.2	-41.4	276.5	21.5	21.4	-2.4	333.7	334 • 8	0.3	35.4	21.4	77.	
32.3	64.9	9610.7	300.0	-36.5	-46.2	27464	22.7	22.6	-1.7	333.9	334.6	0.2	35.3	23.7	79.	
34.4	89• <b>•</b>	10207.1	275.0	-41.9	99.9	276.6	22.8	22.7	-2.6	334.6	999.9	99.9	999.9	26.4	80.	
36.5	94.5	10845.1	250.0	-47.5	99.9	279-1	24.6	24.3	-3.9	335.4	699.9	99.9	999.9	29. 3	82.	
38.6	99.6	11531.8	225.0	-53.8	99.9	279.3	23.4	23.1	-3.8	336.0	¢99.9	99.5	999.9	32.4	84.	
41.3	105.3	12277.1	200.0	-59.9	99.9	275.9	28.5	28.3	-2.9	338.0	999.9	99.9	999.9	36.1	55.	
44.0	111.3	13101-1	175.0	-65.0	99•9	286.9	27.5	26.3	-8.0	342.7	999.9	99.9	999.9	40.9	87.	
47.3	118.3	14031.9	150.0	-66.9	99.9	283.7	27.8	27.0	-6.6	354.8	999.9	99.5	999.9	46.2	89.	
50.8	126.0	15130.7	125.0	-68.9	99.9	271.8	31.4	31.4	-1.0	370.2	999.9	99.9	999.9	51.5	89.	
55-6	135.0	16466.3	100.0	-70-1	99.9	269.0	15.9	15.9	0.3	392.4	999.9	99.9	999.9	57.8	90.	
61.4	143.7	18166.7	75.0	-70.8	99.9	277.6	10-1	10.0	-1.3	424.4	999.9	99. 9	999.9	62-4	90.	
69.4	154.0	20644.0	50.0	-61.8	99.9	288.8	1.6	1.5	-0.5	497.8	999.9	99.9	999.9	63.5	91.	
81.0	164.7	25073.6	25.0	-51.9	99.9.	999.9	99.9	99.9	99.9	635, 9	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 1.0 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME MAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 260 STEPHENVILLE. TEX

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	CIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE		
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	.KM	DG	
0.0	9.3	399.0	963.8	18.0	15.6	180.0	5.2	0.0	5.2	295.8	326.4	11.7	86.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	59.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	599.9	99.9	999.9	999. 9	999.	
0.6	10.5	523.7	950.0	19.6	18-1	207.6	13.7	6.3	12.1	299.0	335.6	13.9	90.5	0.2	15.	
1.6	12.9	754.7	925.0	22.6	12.9	218.2	16.2	10.0	12.7	303.8	331.8	10.3	54.9	1.0	29.	
2.4	15.3	993.7	900.0	22=7	12.6	227.5	11.4	8.4	7.7	306.3	334.6	10.3	52.8	1.8	35.	
3.4	17.5	1238.6	875.0	21.3	10.3	250.3	7.2	6.8	2.4	307.2	332.4	9.1	49.4	2. 3	40.	
4.3	20.3	1489.6	850.0	20.8	-1-1	266.1	4.0	4.0	0.3	308.6	322.0	4.6	25.4	2.5	44.	
5. 1	22.0	1746.5	825.0	19.3	-9.0	273.2	1.7	1.7	-0.1	309.3	316.5	2.4	13.9	<b>?•</b> 6		
6.1	25.4	2009.4	0.008	15.7	-7.2	262.0	0.0	0.0	0.0	309.3	317.7	2.8	18.7	2. 6	47.	
7.0	28.0	2278.0	775.0	14.2	-9.7	224.1	1.6	1.1	1.1	309.4	316.6	2.4	18.1	2.6		
7.9	30.8	2553.2	750.0	11.9	-17.8	262.4	2.7	2.7	0.4	309.6	313.6	1.3	10.8	2. 8		
8.7	33.6	2835.2	725.0	9+2	-18.4	273.9	<b>3.6</b> .	3.6	-0,2	309.7	313.6	1.2	12.3	2. 9.		
9.7	J6. 1	3124.2	700.0	7.1	-23.3	283.2	6.5	6.3	-1.5	310.4	313.1	0.8	9.3	3. 1	53.	
10.7	39.0	3422.1	675.0	5 • 1	-27.3	279.9	9.7	9.6	-1.7	312.5	314.5	0.6	6.9	3.4	60.	
11.7	41.8	3729.6	650.0	3.4	-25.9	268.0	10.3	10.3	0.4	312.8	315.2	0.7	9.6	3.9	65.	
12.7	44.8	4045.6	625.0	0.5	-25.6	249.0	11.0	10.3	3.9	313.0	315.5	0 <u>.</u> 8	11.9	4. 5		
13.8	47.9	4371.5	600.0	-1.9	-25.7	237.6	12.4	10.5	6.7	314.0	316.5	0.8	14.1	5. 3	66.	
14.9	50.8	4708.4	575.0	-3.5	-48.6	235.6	9.8	8.1	5.6	315.9	316.3	0.1	2.1	6.1	65.	
16. C	54. C	5058.5	550.0	-5.4	-53.3	254.4	7.8	7.5	2.1	317.6	317.6	0.0	1.0	6.6		
17.1	57.1	5421.4	525.0	-8.1	-55.0	262.1	8.5	8•4	1.2	318.7	318.9	0.0	1.0	7.2		
18.3	60.€	5799.0	500.0	-10-1	-56,3	263.A	10.1	10.0	1. I	320.7	320.9	0.0	1.0	7.8		
19.6	64.3	6192.0	475.0	-12.9	-58-1	260.8	12.4	12.2	2.0	321.9	322.0	0.0	1.0	8. 6		
20.9	67.7	6601.4	450.0	-16.4	-60.3	269.4	14-1	14.1	0.2	322.6	322.6	0.0	1.G	9. 6		
22.2	71.3	7028.4	425.0	-19.7	-62.5	266.9	16.7	16.7	0.9	323.6	323.7	0.0	1.0	10.7	73.	
23.8	75.2	7474.7	400.0	-23.7	-65.0	266.9	19.9	19.8	1.1	324.1	324.1	0.0	1.0	12.4	74.	
25.6	79.3	7943.2	375.0	-20.8	-65.4	272.3	20.5	20.5	-0.8	326.1	320.2	0.0	1.3	14.6		
27.5	<b>83.3</b>	8437.1	350.0	-30.7	-65•9	271.1	20.8	20.8	-0.4	327.2	327.3	0. C	1.7	16. 7		
29.7	87.6	8958.7	325.0	-34.8	-67.2	268.3	24.6	24.6	0.7	328.6	328.6	0.0	2 • 1	19.8		
32.1	92.2	9513.5	300.0	-38.7	-52.6	274.5	27.6	27.5	-2.2	330.8	331.2	0.1	21.1	23.5		
34-1	96. 5	10104.8	275.0	-43.7	99.9	271.7	31.5	31.5	-0.9	331.9	999.9	99.9	999.9	27.2		
36.8	101.8	10737.7	250.0	-49.2	99.9	274.3	36.9	36.8	-2.7	332.9	999.9	99.9	999.9	32.4	85.	
39. 8	1C7.3	11420.2	225.0	-54.7	99.9	281.6	32.6	31.9	-6.6	334.7	999.9	99.9	999.9	38.3		
43.1	112.8	12162.1	200.0	-61.1	99.9	276.2	35.7	35.5	-3.9	336.0	999.9	99. 9	999.9	45. 5	89.	
46.3	119.0	12976-5	175.0	-67.7	99.9	279.2	38.3	37.8	-6.2	338.2	999.9	99.9	99909	52.0		
50.9	126.0	13910.3	150.0	-65.9	99.9	272.0	25.7	25.6	-0.9	356.6	999.9	99.9	999.9	60.4	91.	
55.8	133.3	15023.3	125.0	<b>-65.7</b>	59.9	265.0	26.1	26.0	2.3	376.0	999.9	99.9	999.9	68.8	90.	
62.3	141.0	16378.0	100.0	-66.1	99.9	281.8	19.2	18.8	-3.9	400.0	999.9	99.9	999.9	78. 1	90.	
69.7	146.7	18116.3	75.0	-e3·2	99.9	84.0	5.8	-5.8	-0.6	440.4	999.9	99. 9	999. 9	84.0		
60-8	157.3	20626.4	50.0	-58.6	99.9	274.0	7.7	7.7	-0.5	505.6	999.9	99.9.	999.9	85.2		
99. 9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999, 9	999.	

<sup>.</sup> EY SPEED NEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 261 DEL RIO. TEX

25 APRIL 1975

1115 GMT 162 19. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE AZ MIN GFM DG C CG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PCT KM DG MB 0.0 8.9 314.0 972.0 21.7 18.9 100.0 4.6 -4.5 0.0 299.2 336.9 14.3 84.0 0.0 0. 99.9 1000-0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 9 999. 99.9 99. 9 99.9 59.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 0.7 10.3 512.8 950.0 20.9 17.3 12.0 7.2 300.2 335.3 13.2 79.7 0.4 293. 126.6 -9.6 743.9 925.0 150.9 301.4 332.4 11.5 7.1.9 1.0 307 1.6 13.3 20.0 14.8 11.1 -5.4 9.7 15.7 980.6 900.0 19.6 14.1 172.9 10.0 -1.2 9.9 303.2 333.9 11.3 70.5 1.4 321 2.5 1224.6 **875.0** 13.1 172.0 7.1 -1.0 7.0 308.0 338.3 10.9 57.6 1.8 329 3.3 18.1 21.9 309.2 334.0 48.0 2. 2 332 4.2 20.5 1476.3 850.0 20.8 9.4 167.4 7.4 -1.6 7.2 8.8 2.6 334. 5. 2 23. 1 1734.2 825.0 20.3 2.7 153.9 8.1 -3.5 7.2 310.8 327.2 5.7 31.2 3.0 333. 312.4 27.0 6.1 25.6 1999.2 800.0 19.3 -0.1 136.8 5.7 -3.8 4 • 3 326.4 4.7 7.1 - 28. 2 2271.2 775.0 18.2 -1.9 158.3 402 -1.6 3.9 313.9 327.1 4.4 26.2 3.3 332. 8.0 31.0 2550.8 750.0 16.3 -2.3 202.4 4.9 1.9 4.5 314.8 327.7 4.3 27.8 3.5 334. 315.3 323.3 3.7 339. 9.0 33. 3 2838.0 725.0 14.2 -9.5 220.5 5.9 3.9 4.5 2.6 18.5 10.1 36.4 3132.6 700.0 12.1 -16.7 238.8 5.9 5.0 3.1 316.1 320.9 1.5 11.7 3.8 344 317.0 11.1 39.3 3435.7 675.0 10.0 -20.2 259.3 7.1 6.9 1.3 320.7 1.1 10.0 3.9 350. 12.2 42.1 3747.3 650.0 7.2 -21.2 264.7 8.3 8.3 0.8 317.2 320.7 1.1 11.1 3.9 358. 13.3 45.1 4067.6 625.0 4.0 -22.1 266.0 9.0 9.0 0.6 317.1 320.6 1.0 12.8 3.9 6. 14.5 48.3 4397.3 600.0 0.9 -22.5 265.2 10.6 10.6 0.9 317.3 320.7 1.0 15.3 4.1 15. 15.7 51.1 4737.8 575.0 -1.1 -21.3 256.7 15.0 14.6 3.5 318.8 322.8 1.2 19.6 4.5 26. 16.9 54.3 509C.4 550.0 -4.1 -19.7 255.3 17.0 16.5 4.3 319.4 324.2 1.5 28.4 5. 4 36. 18.2 57.4 5455.3 525.0 -7.2 -17.0 253.6 17.8 17.1 5.0 320.0 326.2 1.9 45.4 6.5 43. 19.5 60.9 5833-1 500.0 -10.5 -20.7 259.3 15.6 1544 2.9 320.4 325.2 1.5 42.7 7. 7 49. 20.9 475.0 -13.8 -22.0 321.1 325.6 49.8 52. 64.3 6225.8 249.5 14.4 13.5 5.0 1.4 8. B 22.3 67.7 6635.3 450.0 -16.1 -21.0 252.0 14.0 13.3 46.3 323.2 328.4 1.6 65.9 9.9 54. 23.8 325.9 52.2 11.1 71-1 7063.7 425.0 -18.5 -26.1 262.4 15.4 15.3 2.0 325.3 1.1 56 25.3 73.9 75.0 7513.4 400.0 -21.5 -24.9 266.0 19.4 19.4 1.4 327.1 331.4 1.3 12.5 60. 26.8 79.0 7965.5 375.0 -25.4 -30.1 262.9 20.7 20.6 2.6 328.0 330.9 0.8 64.6 14.2 63. 28.3 62.8 8483.1 350.0 -28.7 -35.4 266.1 20.8 20.7 1.4 330.0 331.9 0.5 52.5 16.1 66. 30.1 87.0 9009-1 325.0 -33-1 -40.2 265.9 22.2 22.2 0.0 331.0 332.3 0.3 48.8 18.2 69. 31.8 91.4 9566.4 300.0 -38.0 -42.8 262.2 23.7 23.4 3.2 331.8 332.9 0.3 59.9 20.3 71. 33.8 96.0 10159-1 275.0 -42.8 99.9 266.9 24.5 24.5 1.3 333.3 999.9 99.9 999.9 23. 2 72. 35.9 100.7 10795.1 25C.G -48.2 99.9 269.3 27.7 27.6 0.3 334.4 999.9 99.9 999.9 26.4 74. 38. 1 105.7 11480.0 225.0 -54.1 99.9 271.8 27.7 27.7 -0.9 335.7 999.9 99.9 999.9 30.0 76. 40.6 111.3 12225.7 200.0 -59.8 99.9 269.6 33.4 33,4 0.2 338.1 999.9 99.9 999.9 34.1 78. 43.1 117.0 13047-4 175.0 99.9 279.4 34.0 33.5 340.3 999.9 99.9 995.9 39. 2 80. -66.4 -5.6 99.9 46.3 124.0 13968-5 150.0 -69.5 274.1 32.3 32.2 -2. 3 350.3 599.9 99.9 999.9 45.2 62. 50.1 131.3 15069.6 125.0 -67.1 99.9 267.0 25.5 25.4 1.4 373.4 999.9 99. 9 999.9 51.0 83. 54.9 139-0 16412.4 100.0 -70.2 99.9 261.8 18.3 16.1 2. 6 392.1 999.9 99.9 999.9 56.9 84. -70.4 60.4 147.0 18101.5 75.0 99.9 290.5 7.7 7.2 -2.7 425.3 999.9 99.9 999.9 61.6 84. 66.5 156.5 20577.7 50.0 -60.5 99.9 2.2 7.6 -0.3 -7.6 501.1 999.9 99.9 999.9 62.4 86.

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<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> EY TEMP WEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 265

### 25 APRIL 1975 1115 GMT

150 13. 0 CEW PT V CCMP TIME CNTCT HE I GHT PRES TEMP DIR SPEED U COMP POT T E POT T MX RTO RH RANGE ΑZ MIN GFM MB DG C DG C DG 4/SEC M/SEC M/SEC DG K DG K GM/KG PCT K4 DG 0.9 12.0 873.0 911.3 12.8 7.3 330.0 1.0 0.5 -0.9 294.6 313.5 7.1 69.0 0.0 c. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 9990 9 9990 999.9 99.9 59.5 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 999.9 99.9 999.9 99.9 99.9 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 599.9 999. 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 925 · C 99.9 99.9 99.9 12.9 979.6 900.0 19.7 999.9 99.9 99.9 337.3 999.9 939. 0.4 15.4 99.9 303.5 12.5 76.2 307.0 1224.1 875.0 999.9 99.9 99.9 99.9 999. 9 999. 1.4 15.2 20.8 1309 338.7 11.5 64.6 1475.4 1.4 10. 2.3 17.3 850.0 21.2 6.7 186.2 11.4 1.2 11.3 309.3 330.0 7.3 39.0 327.4 3. 2 15.0 1733.1 825.0 19.6 3.4 182.0 8.3 0.3 e. 3 310.2 6.0 34.3 2.0 8. 7. 17.9 310.6 319.4 18.1 2. 4 4.2 21.7 1996.9 800.0 -6.7 177.2 5.2 -0.3 5.2 2.9 319.6 5.2 24.2 2266.9 775.0 15.7 -7.5 195.9 3.9 1.1 3.8 311.1 2.8 19.5 2. 6 6. 6.2 26.4 254 3.7 750.0 13.3 -9.6 228.7 5.2 3.9 3, 4 311.4 315.9 2.5 19.2 2.8 9. 7.2 28.9 2827.6 725.0 11.5 -12-5 255.4 8.7 8.4 2.2 312.4 318.6 2.0 17.3 3. 1 15. 8.3 31.4 3119.4 700.0 9.2 -13.8 272.0 10.5 10.5 -0.4 312.9 318.7 1.9 18.1 3.3 26. 675.0 272.1 313.4 319.2 20.5 3. 7 37. 9.4 34.0 3415.0 6.7 -14.3 1201 1201 -0.4 1.9 31404 317.6 10.5 36.5 3727.6 650.0 4.6 -16.3 266.1 14.2 14.2 1.0 1.6 20.2 4.3 46. 53. 11.7 39.2 4045.7 625.0 2.4 -18.3 258.3 16.4 16.0 3.3 315.3 320.0 1.4 19.9 5. 2 12.9 41.8 4373.8 600.0 -0.4 -21.2 252.6 17.3 16.5 5.2 315.8 319.6 1.2 18.9 6. J 57. 7.5 59. 14.0 44.7 4712.6 575.0 -2.3 -22.6 250.2 16.0 15.0 5.4 317.4 320.9 1.1 19.2 15.2 47.5 5065.2 550.0 -3.3 -28.3 258.0 13.3 13.0 2.8 320.2 322.5 0.7 12.3 8.5 61. 50.4 5431.0 525.0 -6.1 -30.B 264.6 11.7 11.6 1.1 321.1 323.0 0.6 12.0 9.4 63. 16.5 10.3 17.9 53.4 5810.4 500.0 -9.4 -33.2 256+8 12.0 11.6 2.7 321.6 323.2 0.5 12.3 65. 19.3 56.3 6204.5 475.0 -12.7 -35.5 252.4 13.5 12.9 4.1 322.3 323e7 0.4 12.6 11.4 56. 20. B 59.4 6614.7 450.C -15.7 -37.8 251.7 14.7 14.0 4.6 323.4 324.6 0.3 12.9 12.7 6t. 7042.8 425.0 -39.7 250.1 17.3 5. 9 324.5 325.5 14.1 14.2 67. 22.4 62.9 -19.1 16.2 0.3 7491.1 17.2 325.8 326.7 15.6 16.1 67. 24.3 66.1 400.0 -22.5 -41.6 250-2 18.2 6.2 0.2 25.9 69.7 7961.2 375.0 -26.5 -44.7 254.3 18.2 17.5 4.9 326.5 327.2 0.2 15.9 17.9 68. 19.9 27.7 73.2 8455.7 350.0 -30.3 -45.7 254.5 21.2 5.9 327.8 328.6 0.2 23.6 64. 22.0 29.6 77.2 8979.8 325.0 -37.5 22.1 3. 8 329.9 331.5 0.5 69.7 22.5 69. -33.9 260.2 22.4 25.3 31.5 81.0 9535.0 300.0 -38.5 -41.5 257.5 24.6 24.0 5.3 331.1 332.3 0.3 73.0 71. 259.9 995.9 28.5 71. 33.5 10126.7 275.0 27.7 4.9 332.1 999.9 99.9 e5. 3 -43.6 99.9 28.1 999.9 32.3 73. 35.7 es. 8 10760.0 250.0 -49.1 99.9 263.1 32.5 32.3 3.9 333.1 999.9 99.9 999.9 37.02 74. 38.1 94.6 11443.4 225.0 -54.7 99.9 267.4 33.9 33.9 1.5 334.6 999.9 99.9 999.9 40.0 99.5 12165.8 200.0 -61.1 99.9 272.7 40.5 40.4 -169 336.0 999.9 99.9 42.9 76. 44.0 105.3 13004.2 175.0 -66-1 99.9 272.3 43.1 43.1 -1.7 340.9 999.9 99.9 999.9 50.0 79. 111.3 13934.9 150.0 -67.5 99.9 263.6 31.6 31.4 3 - 5 353.9 999.9 99.9 999.9 58.0 80. 47.5 23.3 51.9 118.3 15039.7 125.0 -65.2 99.9 258.8 22.8 4.5 377.0 999.9 99.9 995.9 66.0 AC. 276.9 74.6 57.0 16395.9 100.0 -65.2 99.9 23.2 23.0 -2.8 401.7 999.9 99.5 999.9 81. 126.0 63.4 135.3 18134.8 75.0 -67.5 99.9 14.3 2. 1 431.5 599.9 99.9 999.9 82.0 82. 261.8 14.4 -1.6 999.9 85. 2 72.4 144.7 20624.8 50.0 -58.5 99.9 26.8 3.5 -3. % 505.8 999.9 99.9 63.

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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 304 HATTERAS. NC

106 170. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.5	4.0	1016.6	19.6	17.4	240.0	7.2	6.2	3.6	293.0	325.0	12.4	87.0	0.0	0.
0.5	5. 9	146.4	1000.0	19.8	17.3	270.3	18.4	18.4	-0.1	294.6	327.3	12.6	85.8	0.9	25.
1.3	7.9	364.9	975.0	19.0	14.8	240.4	24.2	21.1	12.0	295.7	324.5	10.9	76.6	1.6	49.
2.1	1 C+ 1	588.1	950.0	17.9	12.5	237.9	23.4	19.8	12.4	296.6	322.2	9.6	70.5	2.8	52.
2.8	12.1	816.7	925.0	17.4	13.5	251.3	22.9	21.6	7.3	298.5	326.8	10.6	77.9	3. 8	55.
3.6	14.3	1050€8	900.0	15.9	12.7	263.9	20.9	20.8	2.2	299.3	327.1	10.4	81.4	4.7	60.
4.3	16.4	1290.1	875.0	14-1	12.9	270.9	18.0	18.0	-0-3	299.9	328.7	10.8	92.5	5.5	64.
5.1	18.6	1534.8	850.0	12.6	11.4	274.4	16.4	16.4	-1.3	300.6	327.8	10.1	92.8	6• 2	68.
5.9	20.8	1785.5	825.0	11.2	10.0	276.6	12.2	12.1	-1.4	301.7	327.2	9.4	92.0	6.9	70.
6.8	. 23.2	2042.5	800.0	9+6	7•9	266.2	12.9	12.8	0.8	302.5	325.7	8.4	89.0	7• 5	72.
7.6	25.5	2306.0	775.0	7.8	6.3	262.4	11.9	11.5	1.6	303.2	324.7	7.8	90.0	8. 1	7.3.
8.5	27.8	2575.9	750.0	5.6	4.5	265.0	11.7	11.6	1.0	303.6	323.3	7.1	92.4	8. 6	74.
9.3	30-3	2852.8	725.0	3.7	2.5	267.4	13.3	13.2	0.6	304.3	322.2	6.4	92.3	9. 3	74.
10.2	32.9	3137.6	700.0	2.4	0.8	265.2	14.3	14.3	0.2	305.9	322 •4	5.8	88.9	10.0	75.
11.0	35•3	3431.3	675.0	0.9	-3.4	266.4	14.1	14.1	0.9	307.2	320.1	4.4	73.4	10.7	76.
12.0	37.8	3734.1	650.0	+0.5	-8.7	263.2	14.2	14-1	1.7	308.8	318.0	3.1	54.1	11.5	77.
12.9	4.0.5	4047-2	625.0	-1.8	-14.5	269.9	16.0	16.0	0.0	310.6	316.7	2.0	37.3	12.3	77.
13.9	42.1	4370.7	60.0.0	-3.1	-18.3	273.1	19-1	19-1	-1.0	312.7	317.4	1.5	29.7	13.4	79.
15.1	46.0	4706.3	575.0	-5.7	-13.9	265.8	19.2	19-1	1.4	313.6	320.7	2.3	52.3	14.6	80.
16.2	48. 9	5053.7	550.0	-6.9	-30.1	268.7	15.0	15.0	0.3	J15.9	317.9	0.6	14.3	15.9	80.
17.4	£1.8	5416.1	525.0	-8.1	-48.5	290.8	10.3	9.6	-3.7	318.6	317.0	0.1	2.2	16.7	81.
18.6	54.6	5792.6	500.0	-11.0	-43.3	297.7	13.4	1.1.9	-6.2	319.6	320.2	0.2	4.9	17.3	83.
19.7	57.8	6183.8	475.0	-14.5	-43.9	304.7	14.1	11.6	-8.0	320.0	320.6	0.2	6, 3	18. 1	84.
21.0	61.0	€590.6	450.0	-1709	-41.2	303.3	15.5	12.9	-8.5	320.7	321.5	0.2	10.9	19.0	87.
22.3	64.4	7015.6	<b>425.0</b>	-20.7	-43.7	298.4	12.7	11.2	-6.0	322.4	323.1	0.2	10.5	19. 9	89.
23.7	67.7	7460+8	400.0	-24.0	-46.6	292.3	9.8	9.1	-3.7	323∙€	324.3	0 • 1	10.2	20. 9	90.
25.1	71.1	7928.3	375.0	-27.8	-53.3	296-1	8.1	7.2	-3.8	324.7	325.0	0.1	6.7	21.4	91.
26.5	74.9	8420.0	350.0	-31.9	-54.1	293.1	9.0	8.3	-3.5	325.6	325.9	0.1	8.9	21.7	91.
28.1	76.5	8939.8	325.0	-36.2	-52.5	286+7	12.8	12.2	-3.7	326.7	327.1	0.1	16.7	23.1	92.
29.8	e2.7	9489.7	300.0	-39.9	99.9	595.8	18.8	17.3	-7.3	329.0	999.9	99.9	999.9	24.5	93.
31.6	<b>27.</b> 0	10077.5	275.0	-45.2	99.9	293.3	17.1	15.7	-6.8	329. 6	999.9	99.9	999.9	26.6	95.
23,4	91.6	10706.6	250-0	-50.7	99.9	295.5	14.9	13.4	-6.4	330.7	999.9	99.9	999.9	28. 3	96.
35.5	56.4	11383.4	225.0	-56.7	<b>59.9</b>	302.5	20.4	17.2	-11.0	331.7	999.9	99.9	999.9	30.0	97•
37.6	101.6	12120.0	200.0	-61.5	99.9	999.9	99.9	99.9	99.9	335.4	999.9	99.9	999.9		
39.9	107.a	12939.1	175.C	-66.8	99.9	995.9	99.9	99.9	99.9	339.6	99909	99.9	999.9	999. 9	
99.9	55.5	59.9	150.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
\$9.5	99.5	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99•9	999.9	999.9	
99.9	99. 3	95.9	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	. 50.0	99.9	99•9.	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99 <b>.9</b>	99.9	59.9	99.9	959.9	99.9	999.9	999. 9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 311

## 25 APRIL 1975 1115 GMT

161 12. 0

MIN																	
0.0 7.0 246.0 988.2 17.6 17.6 17.6 210.0 3.2 1.0 2.8 253.5 326.9 13.0 100.0 0.0 0.9 99.9 99.9 99.9 99.9 99.		CATCT				DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.	MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KY	DG	
0.4 8-2 361.5 975.0 17.6 17.6 226.2 11.7 10.8 4.3 294.6 328.2 13.0 08.9 0.3 48 1.2 10.4 584.3 590.0 17.1 16.9 226.3 12.8 12.8 12.8 3.0 206.2 329.8 12.9 08.5 0.7 62.2 21 12.6 812.2 925.0 15.6 15.3 201.0 15.4 15.2 2.4 206.9 328.3 11.9 97.9 1.5 72.3 21.5 10.4 10.4 7 90.0 13.5 12.8 20.0 1 10.1 15.9 2.8 206.8 324.4 10.4 95.6 2.5 76.4 10.1 1282.7 875.0 13.2 10.0 256.7 17.7 17.2 4.1 228.7 322.5 8.9 81.1 3.4 76.4 19.6 157.5 50.0 13.3 9.8 257.2 14.3 13.9 3.2 301.2 325.7 9.0 79.3 4.2 76.5 5.9 21.6 1776.8 825.0 12.0 6.7 254.3 13.3 12.9 3.6 302.3 323.0 7.5 70.1 5.1 77.7 10.2 4.4 2036.2 800.0 10.2 6.2 237.5 13.2 11.1 7.1 303.0 32.3 75.5 76.5 5.9 75.8 76.5 5.9 75.8 70.0 24.4 2036.2 800.0 10.2 6.2 237.5 13.2 11.1 7.1 303.0 32.3 7.7 5 76.5 5.9 75.8 70.0 24.4 2036.2 800.0 10.2 6.2 237.5 13.2 11.1 7.1 303.0 32.3 7.7 5 76.5 5.9 75.2 75.0 10.1 32.4 13.4 6 700.0 4.5 -14.3 32.2 13.2 10.1 8.5 304.0 322.8 6.7 73.5 6.6 72.3 70.0 24.3 237.0 6.5 0.0 5.2 -2.9 240.5 15.0 13.1 7.4 305.7 318.1 4.3 55.8 8.2 6.1 12.3 37.7 313.6 50.0 4.2 52.0 230.2 13.2 10.1 8.5 310.1 31.2 1.6 24.0 9.2 68.1 12.3 37.2 3430.2 675.0 3.8 -21.0 256.6 19.4 18.9 4.5 310.1 313.5 1.1 14.2 10.5 69.1 13.3 40.1 373.6 365.0 2.8 -17.1 255.0 19.0 19.0 4.9 312.3 317.1 1.5 21.5 11.8 70.0 14.5 42.7 4052.4 625.0 0.3 -15.2 2251.4 19.0 18.4 4.3 13.0 313.3 31.9 2.1 40.3 31.3 31.0 7.0 14.5 42.6 61.0 32.0 13.3 32.3 32.3 32.3 32.3 32.3 32.3 32.3	0.0	7.0	246.0	988.2	17.6	17.6	210.0	3.2	1.6	2.8	293.5	326.9	13.0	100.0	0.0	0.	
10.4	99.9	99.5	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
241 126 8122 9250 1516 1513 2610 1514 1512 244 200.0 326.3 324.4 10.4 95.6 22.5 72. 322 150 104.4 7 900.0 13.5 1228 200.0 10.1 1519 228 256.8 324.4 10.4 95.6 22.5 72. 34.0 170 1 1282.7 875.0 13.2 10.0 256.7 17.7 17.2 4.1 268.7 322.5 8.9 81.1 3.4 76. 4.9 190 1527.5 850.0 13.3 9.8 257.2 14.3 13.9 3.2 301.2 325.7 90. 79.3 4.2 76. 5.9 21.8 1778.8 825.0 12.0 6.7 254.3 13.3 12.9 3.6 302.3 323.0 7.5 70.1 5.1 77. 7.0 24.4 205.2 88.9 12.0 6.7 254.3 13.3 12.9 3.6 302.3 323.0 7.5 70.1 5.1 77. 7.0 24.4 205.2 88.9 12.0 6.7 254.3 13.3 12.9 3.6 302.3 323.0 7.5 70.1 5.1 77. 8.0 26.7 2300.2 775.0 8.7 4.2 228.2 12.7 9.5 8.5 304.0 322.8 6.7 73.5 6.6 72. 9.0 29.3 2570.6 750.0 6.1 2.0 230.2 13.2 10.1 8.5 304.0 32.8 6.7 73.5 6.6 72. 9.0 29.3 2570.6 750.0 5.2 -2.9 240.5 15.0 13.1 7.4 305.7 318.1 4.3 55.8 82.2 6.8 12.3 37.2 28.8 313.4 570.0 4.5 -14.3 228.5 18.3 17.4 5.5 307.7 313.2 18. 24.0 9.2 68. 12.3 37.2 3430.2 675.0 38.8 -21.0 256.6 19.4 18.9 4.5 310.1 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 6.9 13.4 31.5 1.1 14.2 10.5 11.8 70.1 11.5 11.5 11.5 11.5 11.5 11.5 11.5 1	0.4	8.2	361.5	975.0	17.6	17.4	248.2	11.7	. 10.8	4.3	294.6	328 • 2	13.0	98.9	0.3	48.	
3-2 15-0 1044.7 900.0 13-5 12-8 20-0 10-1 15-9 2.6 25-6 324.4 10-4 95-6 2.5 76. 4-0 17-1 1282.7 675-0 13-2 10-0 256.7 17-7 17-2 4.1 298.7 322.5 8.9 81.1 3.4 76. 4-9 15-6 1527.5 850.0 13-3 9.8 257.2 14-3 13-9 3.2 301.2 325.7 9.0 79-3 4.2 76. 5-9 21.8 1778-8 825.0 12-0 6.7 254.3 13-3 13-9 3.2 301.2 325.7 9.0 79-3 4.2 76. 5-9 21.8 1778-8 825.0 12-0 6.7 254.3 13-3 13-9 3.2 301.2 323.7 7.5 70-1 5.1 77. 7-0 24-4 2036.2 800.0 10-2 6.2 237.5 13.2 11-1 7-1 303.0 323.7 7-5 76.5 5.8 75. 8-0 22-7 2300.2 775.0 8-7 4-2 226.2 12.7 9.5 8.5 304.0 323.7 7-5 76.5 5.8 75. 8-0 20-7 2300.2 775.0 8-7 4-2 226.2 12.7 9.5 8.5 304.0 322.7 5.9 75.2 7-3 70.1 5.1 77. 8-0 24-4 2036.2 800.0 6.1 2.0 230.2 13.2 10-1 8-5 304.0 322.7 5.9 75.2 7-3 70.1 5.1 77. 8-10 22-3 2570.6 750.0 6.1 2.0 230.2 13.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 5.9 75.2 7-3 70.1 5.1 8.2 10-1 8-5 304.0 320.7 3.1 8.2 1.1 14-2 10.5 6.9 13.3 40.1 373.0 5.5 6.5 0.2 8.0 -17.1 255.0 19.6 19.4 18.9 4.5 310.1 313.5 1.1 14-2 10.5 6.9 13.3 40.1 373.6 5.6 0.2 8.0 -17.1 255.0 19.6 19.4 18.9 4.5 310.1 313.5 1.1 14-2 10.5 6.9 13.5 1.1 14-2 10.5 6.9 13.5 1.1 14-2 10.5 6.9 13.5 1.1 14-2 10.5 6.9 13.5 1.1 14-2 10.5 6.9 13.5 1.1 14-2 10.5 6.9 13.5 1.1 14-2 10.5 6.9 13.5 1.1 14.2 10.5 6.9 13.0 13.5 1.1 14.2 10.5 6.9 13.0 13.5 1.1 14.2 10.5 6.9 13.0 13.5 1.1 14.2 10.5 6.9 13.0 13.0 70.1 13.0 13.0 70.1 13.0 13.0 70.1 13.0 13.0 70.1 13.0 13.0 70.1 13.0 13.0 70.1 13.0 13.0 13.0 70.1 13.0 13.0 70.1 13.0 13.0 13.0 70.1 13.0 13.0 13.0 70.1 13.0 13.0 13.0 13.0	1.2	10.4	584.3	950.0	17-1	16.9	256.3	12.8	12.4	3.0	296.2	329.8	12.9	98.5	0.7	62.	
4-0 17-1 1282-7 675-0 13-2 10-0 256-7 17-7 17-2 4.1 228-7 322-5 8.9 81-1 3.4 76- 4-9 15-6 1527-5 850-0 13-3 9.8 257-2 14-3 13-9 3.2 301-2 325-7 9.0 79-3 4.2 76- 5-0 21-8 1778-8 825-0 12-0 6-7 254-3 13-3 12-9 3.6 302-3 323-0 7.5 70-1 5.1 77- 7-0 22-4 2036-2 800-0 10-2 6-2 237-5 13-2 11-1 7-1 303-0 323-7 7-5 76-5 5-8 75- 8-0 26-7 2300-2 775-0 8-7 4-2 228-2 12-7 9-5 8-5 304-0 323-7 7-5 75-5 6-6 72- 9-0 29-3 257-0 750-0 6-7 4-2 228-2 12-7 9-5 8-5 304-0 322-8 6-7 73-5 6-6 72- 10-1 32-3 257-0 750-0 6-7 4-2 228-2 13-2 10-1 8-5 304-0 322-7 5-9 75-2 7-3 70- 10-1 32-3 257-0 750-0 6-7 4-2 228-2 13-2 10-1 8-5 304-0 322-8 6-7 73-5 6-6 72- 10-1 32-3 257-0 750-0 6-7 4-2 228-2 13-2 10-1 8-5 304-0 322-7 5-9 75-2 7-3 70- 10-1 32-3 34-7 3134-6 700-0 4-5 -14-3 25-5 18-3 17-4 305-7 318-1 4-3 55-8 6-2 6-6 11-2 37-2 37-2 37-2 37-2 37-2 37-2 37-2 37	2. 1	12.6	812.2	925.0	15.6	15.3	261.0	15.4	15.2	2.4	296.9	328.3	11.9	97.9	1.5	72.	
4.9 10.6 1527.5 850.0 13.3 9.8 257.2 14.3 13.0 3.2 301.2 325.7 9.0 79.3 4.2 76. 5.9 21.6 1778.8 85.0 12.0 6.7 254.3 13.3 13.9 3.6 302.3 323.0 7.5 70.1 5.1 77. 7.0 24.4 2036.2 800.0 10.2 6.2 237.5 13.2 11.1 7.1 303.0 323.7 7.5 70.5 5.8 75. 8.0 26.7 2300.2 775.0 8.7 4.2 228.2 12.7 9.5 8.5 304.0 322.8 6.7 7.5 70.5 5.8 75. 8.0 29.3 2570.6 750.0 6.1 2.0 230.2 13.2 10.1 8.5 304.0 320.7 5.9 75.2 7.3 70. 10.1 32.0 248.2 725.0 5.2 -2.9 240.5 15.0 13.1 7.4 305.7 318.1 4.3 55.8 8.2 6.6 11.2 34.7 313.4 6 700.0 4.5 -14.3 252.5 18.3 17.4 5.5 307.7 313.2 1.8 24.0 9.2 6. 11.2 34.7 3134.6 700.0 4.5 -14.3 252.5 18.3 17.4 5.5 307.7 313.2 1.8 24.0 9.2 6. 12.3 37.2 3430.2 675.0 3.8 -17.1 255.0 19.0 19.0 4.9 312.3 317.1 1.5 21.5 11.8 70. 14.5 42.7 4052.4 625.0 0.3 -15.2 255.4 19.0 19.0 4.9 312.3 317.1 1.5 21.5 11.8 70. 15.6 45.6 4378.0 600.0 -2.6 -14.3 259.1 17.3 17.0 3.3 313.3 319.9 2.1 40.3 31.0 70. 15.6 45.6 4378.0 600.0 -2.6 -14.3 259.1 17.3 17.0 3.3 313.3 319.9 2.1 40.3 31.3 71. 16.9 48.6 413.8 575.0 -5.5 -15.2 251.7 19.5 19.3 2.8 313.8 320.6 2.0 53.2 17.3 73. 10.6 54.8 3415.7 555.0 -5.4 -16.1 260.2 21.3 21.0 3.6 314.4 320.6 2.0 53.2 17.3 73. 10.6 54.8 3415.7 555.0 -11.9 -21.2 256.3 21.4 20.8 5.1 314.2 315.5 1.3 46.1 19.0 73. 21.1 57.8 5790.9 500.0 -15.3 -20.4 256.3 21.4 20.8 5.1 314.2 315.5 1.3 40.1 20.4 22.2 22.2 22.1 22.1 31.5 5.3 317.0 0.4 22.2 22.2 22.2 22.1 22.1 31.5 5.3 317.0 0.4 22.2 22.2 22.1 22.1 31.5 5.3 317.0 0.4 22.2 22.2 22.1 22.1 22.1 315.5 317.0 0.4 22.2 22.2 22.1 22.1 22.1 315.5 317.0 0.4 22.2 22.2 22.1 22.1 22.1 315.5 317.0 0.4 22.2 22.2 22.1 22.1 22.1 22.1 22.1 22	3.2	15.0	1044.7	900.0	13.5	12.8	260.0	16-1	15.9	2.8	296.8	324 • 4	10.4	95.6	2.5	76.	
5.9         21.0         1778.8         825.0         12.0         6.7         254.3         13.3         12.9         3.6         302.3         323.0         7.5         70.0         5.1         77.           8.0         26.7         2306.2         775.0         8.7         4.2         228.2         12.7         9.5         8.5         304.0         322.8         6.7         73.5         6.6         72.0           10.1         32.9         228.2         72.9         240.5         15.0         13.1         7.6         305.7         318.1         4.3         55.8         75.0           11.2         34.7         3134.6         700.0         4.5         -14.3         252.5         18.3         17.4         5.5         307.7         313.2         1.8         24.0         9.2         68.1           12.3         37.2         3430.2         675.0         3.8         -21.0         255.5         18.3         17.4         5.5         307.7         313.2         1.8         24.0         9.2         68.1         11.3         40.1         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3         1.3	4.0	17-1	1282.7	875.0	13.2	10.0	256.7	17.7	17.2	4.1	298.7	322.5	8.9	81.1	3.4	76.	
7-0	4.9	19.6		850.0				14.3	13.9	3.2	301.2	325.7	9.0	79.3	4.2	76.	
8.0 26,7 2300.2 775.0 6.7 4.2 228.2 12.7 9.5 8.5 304.0 322.8 6.7 73.5 6.6 72.0 20.2 13.2 10.1 8.5 304.0 32.8 6.7 73.5 6.6 72.0 20.2 13.2 10.1 8.5 304.0 32.8 6.7 73.5 6.6 72.0 20.2 13.2 10.1 8.5 304.0 32.8 7 5.9 75.2 7.3 70.10.1 32.0 2848.2 725.0 5.2 -2.9 240.5 15.0 13.1 7.4 305.7 318.1 4.3 55.8 8.2 08.11.2 34.7 313.6 700.0 4.5 -14.3 252.5 18.3 17.4 5.5 307.7 313.2 1.8 24.0 9.2 66.1 11.2 34.7 313.4 6.7 313.6 75.0 3.8 -21.0 256.6 19.4 18.9 4.5 310.1 313.5 1.1 14.2 10.5 69.1 13.3 40.1 3736.3 656.0 2.8 -17.1 255.6 19.6 19.0 4.9 312.3 317.1 1.5 21.5 11.8 70.1 15.6 45.6 4378.0 600.0 -2.6 -14.3 259.1 17.3 17.0 3.3 313.3 317.1 1.5 21.5 11.8 70.1 15.6 45.6 4378.0 600.0 -2.6 -14.3 259.1 17.3 17.0 3.3 313.3 319.9 2.1 40.3 14.3 71.1 16.5 71.1 16.5 72.1 16.9 72.1 16.9 48.6 4713.8 575.0 -5.5 -15.2 20.1 7 19.5 19.3 2.8 313.6 313.6 20.2 2.0 46.2 15.6 72.1 18.2 51.5 50.1 19.6 19.6 4.9 312.3 317.1 15.5 21.5 11.8 70.1 16.9 48.6 4713.8 575.0 -5.5 -15.2 20.1 7 19.5 19.3 2.8 313.6 313.6 320.2 2.0 46.2 15.6 72.1 18.2 51.5 50.1 19.5 5	5.9	21.8		825.0	12.0	6.7	254.3	13.3	12.9	3.6	302.3	323.0	7.5	70.1	5.1	77.	
90. 29-3 2570.6 750.0 6.1 2.0 230.2 13.2 10.1 8.5 36.0 320.7 5.6 75.2 7.3 70.1 10.1 32.3 2248.2 725.0 5.2 -2.9 20.5 15.0 13.1 7.4 305.7 318.1 4.3 55.8 8.2 6.8 11.2 34.7 3134.6 700.0 4.5 -14.3 252.5 18.3 17.4 5.5 307.7 313.2 1.8 24.0 9.2 68. 12.3 37.2 3430.2 675.0 3.8 -21.0 256.6 19.4 18.9 4.5 310.1 313.5 1.1 14.2 10.5 69. 11.3 34.1 375.0 656.0 2.8 -17.1 255.6 19.6 19.0 4.9 312.3 317.1 1.5 21.5 11.6 70. 14.5 42.7 4052.4 625.0 0.3 -15.2 255.6 19.6 19.0 4.9 312.3 317.1 1.5 21.5 11.6 70. 14.5 42.7 4052.4 625.0 0.3 -15.2 255.6 19.6 19.0 18.4 4.4 313.0 318.8 1.9 30.3 13.0 70.1 16.9 48.6 4713.8 575.0 -5.5 -15.2 261.7 19.5 19.3 2.8 313.4 320.2 2.0 46.2 15.6 72.1 16.9 48.6 4713.8 575.0 -5.5 -15.2 261.7 19.5 19.3 2.8 313.4 320.2 2.0 46.2 15.6 72.1 19.6 54.9 54.9 54.9 54.9 50.0 -11.9 -21.2 256.3 21.4 20.8 51.3 34.4 320.6 2.0 53.2 17.3 73. 19.6 54.9 54.9 50.0 -15.3 -29.4 258.0 21.1 20.6 4.4 314.5 316.5 1.3 46.1 19.0 73. 22.5 61.0 6176.3 475.0 -18.1 -34.5 264.5 22.2 22.1 21.3 15.5 317.0 0.4 22.1 22.8 74.2 24.0 64.4 6580.2 450.0 -18.9 -61.9 261.7 21.0 20.7 3.0 319.4 319.5 0.0 1.0 24.6 75. 27.0 70.9 748.2 400.0 -24.6 -65.6 267.9 21.4 22.1 22.1 315.5 317.0 0.4 22.1 22.8 74.7 24.7 24.7 24.9 24.9 24.9 24.9 24.9 24.9 24.9 24.9	7.0			800.0	10.2						303.0				5 • 8	75.	
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8440 10140 SAAAAA SDAA -2541 AAAA 0440 048 048 -540 -540 0004 AAAAA AAAA AAAA AAAA AAAA	84.6	161.5	24999.8	25.0	-52-1	59.9	37.8	3.8	-2.3	-3.0	635.1	999.9	99.9	999.9	74.3	93.	

<sup>•</sup> BY SPEED MEANS ELEVATION ANGLE BETWEFN 6 AND 10 DEG • BY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED •• BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 317 GREENSBORG. NC

25 APRIL 1975 1115 GMT

152 38. 6

	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	FH	RANGE	AZ	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	ÐG K	DG K	GM/KG	PCT	KY	DG	
	0.0	7ú4	275.0	982.5	17.8	17.3	200.0	3.6	1,2	3.4	294.1	327.3	12.8	97.0	0.0	C.	
	99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	<b>59.9</b>	99.9	999.9	99.9	999.9	999. 7	999.	
	0.3	6.3	340.8	975.0	1704	16-1	230.4	10.5	8.1	6.7	254.2	325.2	11.9	919	0.2	37.	
	1.3	10.5	563.4	950.0	16.8	15.6	246.2	12.6	11.5	5.1	295.9	327.0	11.9	92.7	0.7	49.	
	2.1	12.3	792.2	925.0	19.2	13.0	255.0	14.8	14.3	3.5	300.3	329.9	10.7	70.2	1.4	62.	
	3.0	15.3	1027.7	900.0	17.7	11.5	254.0	12.4	12.0	3.3	301.0	326.8	9.5	.66.8	2.2	66.	
	3.9	17.5	1268.4	875.0	16.0	10.2	251.7	12.2	11.6	3. 9	301.7	326.1	9.0	68.2	2.8	68∙	
	4.9	20.1	1514.4	850.0	14.1	8.3	250.7	10.3	9.7	3.4	302.0	324.3	8 • 1	68.2	3. 5	66.	
	5.9	22.4	1756.0	825.0	12.0	7.8	257.7	11.0	10.7	2. 3	302.3	324.6	8.1	75.6	4.1	69.	
٠	6.9	25.0	2023.1	800.0	9.9	4.9	263.9	12.3	12.2	1.3	302.6	321.5	6.8	71.1	4.8		
	8.0	27.4	2286.8	775.0	8.5	1.6	275.6	11.3	11.3	-1-1	303.7	319.4	5.5	61.5	5.5		
	9.0	20.1	2557.6	750.0	7.1	-0.1	271.1	10.5	10.5	-0.2	304.9	319.4	5.1	60.3	6.2		
	10.2	32.9	2835.8	725.0	5.3	-0.6	262.5	11.4	11.3	1.5	306.0	320.5	5.1	65.8	6.8		
	11.2	35.5	3122.0	700.0	3.2	0.2	267.5	13.8	13.8	0.6	306.8	322.7	5. ć	80.6	7.6		
	12.2	36.2	3416.1	675.0	1.2	-1.8	273.9	13.8	13.8	-0.7	307.7	322.0	5.0	80.1	8. 5		
	13.3	41.0	3719.2	650 • 0	-0.6	-2.3	267.3	13.3	13.3	0.6	308.9	323.4	5.0	88.3	9.4		
	14.4	43.9	4032.1	625.0	-2.8	-4.8	264.9	13.6	13.6	1.2	309.7	322.3	4.3	86.2	10.2		
	15.7	47.0	4354.9	600.0	-4.4	-28.5	257.4	19.6	19.1	4.3	311.1	313.2	0.6	13.1	11.4		
	17.1	50.0	4688.8	575.0	-6.2	-29.1	261.5	22.9	22.7	3.4	312.8	314.8	0.6	14.3	13.3		
	18.5	53.0	5034.8	550.0	-9.0	-28.1	266.2	26.5	26.4	1.8	313.4	315.7	0.7	19.4	15.3		
	19.7	56.1	\$393.6	525.0	-11.4	-20.4	269.0	27.0	27.0	0.5	314.8	319.4	1.4	47.5	17=4		
	21.1	59.3	5765.9	500.0	-14-1	-14.9	268.5	21.6	21.8	0.6	316.0	321.5	1.7	66.8	19.4		
	22.6	62.7	6153.4	475.0	-16.0	-54.1	258.1	19.4	19.0	4.0	318.1	318.5	0-1	4.0	21.2	83.	
	24.1	66.0	6558.7	450.0	-18-7	-61.8	254.2	22.0	21.1	6.0	319.7	319.8	0.0	1.0	23.0		
	25.7	69.6	6982.0	425.0	-22-1	-64.0	256.7	21.6	21.2	5.0	320.6	320.6	0.0	1.0	25.1	82.	
	27.2	72.9	7424.4	400.0	-26.0	-59.9	255.6	21.7	21.1	5.4	321.2	321.3	0.0	2.8	27.1		
	29.0	76.7	7888.5	375.0	-29.5	-60.4	259.9	24.6	24.2	4.3	322.5	322.6	0.0	3.2	29.6	. 91.	
	30.7	80.6	8377.1	350.0	-33.2	-39.0	269.3	24.7	24.7	0.3	323.9	325.2	0.4	56.4	32. 1	<b>61.</b>	
	32.5	84.6	8894.5	325.0	-36.7	-39,0	281.0	25.1	24.6	-4.8	326.0	327.5	0.4	79.3	34. 7		
	34.6	88.8	9443.3	300.0	-41.5	99.9	282.5	21.8	21.3	-4.7	326.9	599.9	99.9	999.9	37. 7		
	36.6	93.4	10027.0	275.0	-46.8	99.9	284.9	21.7	21.0	~5 <sub>0</sub> 5	327.4	999.9	99.9	999.9	40.0		
	38.8	98.0	10650.7	250.0	-51.9	99.9	269.4	19.6	19.6	0.2	32969	999.9	99.9	999.9	42.9		
	41.2	103.0	11324.7	225.0	-57.5	99.9	265.6	19.9	19.9	1.5	330.4	999.9	99.9	999.9	45.6		
	43.8	108.5	12059.2	200.0	-62.8	99.9	252.3	16.5	15.7	5.0	333.3	999.9	99.9	999.9	48.6	85.	
	46.6	114.5	12885-6	175.0	-62.8	99.9	296.5	9.7	8.7	-4.3	346.3	999.9	99.9	999.9	50.5		
	50.2	120.8	13828.3	150.0	-63.3	99.9	280.9	18.9	18.5	-3.6	361.1	599.9	99.9	999.9	53, 3	-	
	54 • 1	128.0	14951.5	125.0	-62.7	99.9	, 273.8	20.3	20.3	-1.3	381.5	999.9	99. 9	999.9	57. 8		
	58.9	136.0	16334.3	100.0	-63.8	99.9	254.9	14.7	14.2	3.8	404.5	999.9	99.9	999.9	62.9		
	64.9	144.0	18082.2	75.0	-64.9	99.9	282.5	7.8	7.6	-1.7	436.8	999.9	99.9	999.9	66.0		
	73.1	153.3	20597.0	50.0	-58.9	99.9	329.2	2.2	1.1	-1.9	5047	999.9	99.9	999.9	67-1	8.8	
	99.9	59.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 327 NASHVILLE. TENN

159 32. TIME CNTCT HE I GHT PRES TEMP CEN PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ MIN GFM M/SEC DG K DG K GM/KG PCT KM DG MB DG C DG C DG M/SEC M/SEC 190.0 291.3 318.9 92.0 180.0 990.9 2.1 10.7 0.0 0.0 5.3 16.0 14.7 2.1 0.4 0. 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 969.9 0.4 6. 3 318.1 975.0 16.0 14.9 99.9 99.9 99.9 292.7 321.3 11.1 93.6 999. 9 999. 1.1 950.0 14.9 13.9 999.9 99.9 99.9 293.7 321.3 94.0 999.9 999. 2.3 539.1 99.9 10.6 765.1 925.0 14.4 999.9 99.9 99.9 295.3 321.5 9.9 88.6 979.9 979. 1.7 10.3 12.5 99.9 999.9 999. 9 999. 12.1 557.0 900.0 14.1 11.1 99.9 99.9 99.9 297.2 321.9 9.3 82.1 320 . 8 81.7 1.2 109. 3.1 14.1 1234.6 875.0 12.5 9.4 285.8 16.0 15.4 -4.3 297.9 8.5 850.0 3.9 16.0 1477.4 10.7 8.2 296.6 20.3 19.4 -5.8 298.4 320.3 8.1 84.7 2.1 108. 4.7 18.2 1726.4 825.0 9.5 283.3 24.8 24.1 -5.7 299.7 320.1 7.5 82.1 3.1 107. 6.6 5.5 20.3 1982.0 800.0 8.6 4.9 277.2 32.1 31.9 -4.0 301.3 320.2 6.8 77.5 4.6 105. 22.4 2244.8 775.0 8.0 4.1 274.0 31.9 31.8 -2.2 303.3 321.8 6.6 76.0 6.4 10.2. 6 : 4 750.0 27.9 304.3 322.9 6.7 83.1 7.9 130. 7.3 24.7 2515.2 6.3 3.6 267.9 27.8 1.0 305.1 324.1 93.8 9.0 98. 26.9 2792.8 725.0 4.3 3.4 257.4 26.8 26.2 5.8 8.0 6.8 700.0 8. 9 29. 2 3078.3 3.0 2.2 248.1 10.7 306.6 324.9 94.4 10.2 95. 28.7 26.6 6.4 31.7 325.0 6.0 94.6 11.7 91. 9.8 3372.7 675.0 1.4 0.6 243.9 31.8 28.6 14.0 306.0 10.7 34.2 3576.2 650.0 -0.4 241.4 32.6 28.6 15.6 309.3 325.0 5.4 94.3 13.3 87. -1.1 94.7 238.8 11.6 36.7 3990.0 625.0 -1.6 -2.3 33.3 28.5 17.3 311.3 320.5 5.2 14.9 94. 94.4 39.3 4314.5 -4.4 237.7 312.6 326 • 3 16.5 81. 12.4 600.0 -3.6 34.4 29.1 18.4 4.6 575.0 -5.9 237.3 327.3 4.3 94.1 79. 13.4 41.9 4650.4 -5.1 33.7 28.3 18.2 314.5 19.2 327.2 14.2 44.5 4999.0 550.0 -7.4 -8.2 238.7 35.2 30.1 18.3 315.8 3.8 93.A 19.9 77. 15.1 47.7 5360.5 525.0 -9.6 -10.5 239.4 34.8 30.0 17.7 317.2 327.3 3.3 93.5 21.8 75. 50.6 5736.0 500.0 -12.8 -15.7 241.3 34.9 30.6 16.7 317.7 324.8 2.3 78.6 24.1 74. 16.3 57.0 73. 17.3 53.6 6124.7 475.0 -15.9 -22.5 240.3 34.1 29.6 16.9 318.4 322.7 1.3 26.2 450.0 -21.5 321.4 326.4 70.6 28.5 72. 18.4 56.6 6531.2 -17.5 240.6 36.3 31.6 17.8 1.5 9.0E 19.6 60.0 6957.0 425.0 -20.3 -24.8 242.5 34 . 4 30.5 15.9 323.0 327.0 1.2 67.3 71. 37.4 327.3 33.5 71. 20.9 63.6 7403.4 400.0 -23.8 -28.1 244.0 33.6 16.4 324.1 0.9 67.7 -33.4 326.9 58<sub>0</sub> 5 36<sub>0</sub>5 7 C. 22.1 67.0 7871.0 375.0 -27.8 243.8 36.4 32.6 16.0 324.8 0.6 23.4 70.8 8363.7 350.0 -31.4 -36.7 247.6 35.4 32.7 13.5 326.3 328.0 0.5 59.6 39. I 70. 74.8 327.0 328.1 58.2 41.8 70. 24.7 8883.0 325.0 -36.0 -41.2 251.4 29.0 27.5 9.3 0.3 26.2 79.2 9432.9 300.0 -41.3 99.9 246.6 32.3 29.6 12.8 327.2 999.9 99.9 999.9 44.3 70. 27.7 e3. 5 10017.0 275.0 -46.7 99.9 243.6 31.0 27.8 13.3 327.6 999.9 99.9 999.9 46. 9 69. 29.2 88.4 10642.3 250.0 -51.9 59.9 253.7 17.3 16.6 4.7 329.0 999.9 99.9 999.9 49.3 69. 30.8 93.8 11315.4 225.0 -57.9 99.9 242.8 30.1 26.8 13.8 329.8 999.9 99.9 999.9 51.3 65. 32.6 999.9 99.5 12047.7 200.0 -64.1 99.9 252.0 23.5 22.3 7.2 331.3 999.9 99.9 54.6 69. 34.5 106.0 12857.3 175.0 -c6.6 99.9 262.8 33.1 32.8 4.1 340.1 999.9 99.9 999.9 57.8 69. 999.9 99.9 999.9 61.0 71. J6. 8 113.7 13805.2 150.0 -61.7 99.9 276.3 25.3 25.1 -2.8 363.8 122.5 99.9 999.9 99.9 99909 64.2 72. 39.9 14938.5 125.0 -63.2 286.4 15.2 14.6 -4.3 360.6 999.9 73. 100.0 99.9 270.4 -0.1 404.9 999.9 99.9 67.6 43.5 133.0 16318.2 -63.6 18.4 18.4 99.9 18073-1 75.0 -64.4 300.2 3.5 -201 438.0 999.9 99.9 999.9 70.0 75. 48.2 144-9 4.1 999.9 9.1 4.5 -0.7 99.9 999.9 70.6 75. 23584.9. -59.2 99.9 504.2 54.8 155.3 50.0 -4.5 99.9

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<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 340 LITTLE ROCK. ARK

.25 APRIL 1975

W. 1. F				
1115 GMT	•	165	16.	0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH.	RANGE	ΑZ
MIN		GPM	MB	DG C	CC C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.2	5. 7	79.0	1003.7	16.7	14.0	220.0	1.6	1.0	1.2	290.9	316.9	10.1	84.0	0.0	0.
0.1	6.1	110.6	1000.0	16.2	14.0	212.2	7.6	4.1	6.4	290.7	316.9	10-1	87.0	0.2	37.
0.9	ۥ3	327.4	975.0	19.0	11.1	218.0	8.5	5.2	6.7	295.4	318.2	8.6	60.5	G. 3	35.
1.6	10.5	551.7	950.0	19.7	12+1	234.8	9.8	8.0	5. 7	298.4	323.6	9.4	61.5	0.9	41.
2.6	12.6	781.4	925.0	19.5	10.5	254,4	10.8	10.4	2.9	300.4	324.0	8.7	56.3	1.3	51.
3, 3	15.0	1017-1	900.0	18.2	12.2	272.5	12.7	12.6	-0.5	301.6	329.7	10.0	60.1	1.8	60.
4.2	17.2	1258.4	875.0	16,5	13.3	275.9	15.6	15.5	-1.6	302.4	232.3	11.1	81.4	2.4	70.
5.0	19.6	1505.4	850.0	15.1	11.2	271.9	14.7	14.7	-0.5	303.3	330.4	9.9	77.8	3.2	77.
5. 9	21.9	1758.4	825.0	14.5	6.5	266.4	11.4	11.4	0.7	305.0	325.6	7 e 4	58.6	3.8	79.
6.8	24.4	2018.0	800.0	12.8	-1.6	269.3	12.0	12.0	0.1	305.4	317.9	4.3	37.1	4.4	86.
7.8	26 • 7	2283.8	775.0	12.1	-20.0	278.8	13.5	13.3	-2.1	306.9	310.1	1.0	8.9	5• 2	82.
8.9	29.3	2556.9	750.0	9.4	-13.4	283.5	13.7	13.3	-3.2	307.1	312.6	. 1.8	18.4	6.0	85.
9.9	55.0	2836.5	725.0	7.1	-16.5	287.0	13.3	12.7	-3.9	307.4	311.9	1.5	16.7	6.8	87.
11.0	34.8	3123.3	700.0	4.2	-16.6	266.2	13.9	13.3	-3.9	307.3	311.9	1.5	20.2	7. 7	90.
12.1	37.3	3418.0	675.0	2.1	-18.7	286.3	15.9	15.2	-4.4	308.2	312.3	1.3	19.9	8 s 6	91.
13.1	4C. 1	3721.2	650.0	0.1	-23.9	289.6	17.7	16.7	-5.9	309.1	311.9	0.9	14.4	9∙ ઇ	93.
14.2	42.8	4034.0	625.0	-2-1	-19.9	283.7	19.5	19.0	-4.6	310.2	314.3	1.3	24.5	10.8	95.
15.4	45. 3	4356.9	600.0	-4.9	-8.5	280.6	19.6	19.3	-3.6	310∙€	320.9	3.4	76.3	12.2	75.
16.7	48.9	4690.8	575.0	-6-8	-16.9	285.3	22.5	21.7	-5.9	312.2	317.7	1.8	44.4	13.9	96.
18-2	51.9	5037.0	550.0	-7.6	-33.9	279.8	24.2	23.9	-4.1	315.1	316.5	0.4	10.3	15.8	97.
19.5	55.0	5397.9	525.0	-9.4	-55.9	280.1	23.1	22.7	-4.0	317.0	317.2	0.0	1.0	· 17•8	97.
20.8	58+0	577209	500.0	-12.3	-57.7	286.2	23.7	22.8	-6.6	318.0	318.1	0.0	1.0	19.5	9 B.
22.0	61.4	6162.4	475.0	-15.4	-59.7	289.1	25.6	24.2	-8.4	318.6	318.9	0.0	1.0	21.3	99.
23.3	65. 3	6568.9	450.0	-17.7	-61.2	282.6	29.1	28.4	-6. 3	320.9	321.0	0.0	1.0	23,4	
24.6	66.3	6994.3	425.0	-20.6	-63.1	272.9	30.9	30.9	-1.6	322.5	322.5	0.0	1.0	25. 9	100.
26.2	72.0	7439.0	400.0	-24.8	-63.4	267.6	28.4	28.4	1.2	322.7	322.7	0.0	1.4	28.6	98.
27.5	76.0	7904.2	375.0	-29.6	-39.2	268.4	31.9	31.9	0.9	322.4	323.6	0 • 3	36.2	31.0	98.
29.2	80.0	8395.0	350.0	-31.8	-36.2	275.3	33.2	33.0	-3.1	325.€	327.6	0.5	64.7	34.2	97.
31.2	E4. 2	8915.9	325.0	-35.6	-38.0	271.3	35.6	35.6	-0.8	327.5	329.0	0.4	70.9	39.2	97.
33.0	88.4	9467.2	300.0	-40-1	99.9	262.7	37.3	37.0	4.7	328.8	999.9	99.9	999•9	42.0	96.
34.5	93.2	10055.3	275.0	-45.0	99.9	257.7	37.3	36.4	8.0	330.0	999.9	99.9	999.9	45.3	95.
36.2	98.0	10685.1	250.0	-50.1	99.9	251.6	31.4	29.8	∘9 <b>.</b> 9	331.6	999.9	99.9	999.9	48.5	93.
38.0	103.2	11364.4	225.0	-56.6	99.9	253.4	34.9	33.5	10.0	331.8	999.9	99.9	999.9	51.9	92.
40.3	109.0	12100.1	200.0	-63.1	99.9	262.7	34.6	34.3	4. 4	332. ė	999.9	99.9	999.9	56. 7	90.
43.2	115.0	12910.4	175.0	-69.0	99.9	277.7	39.7	39.3	-5. 3	336.2	999.9	99.9	999.9	63.3	91.
47.4	122.0	. 13847.2	150.0	-58.9	99.9	284.9	37.1	35.9	-9.6	368.5	999.9	99 <b>.9</b>	999.9	74.0	92.
51.9	129. J	14995.5	125.0	-60.2	99.9.	276.8	26.6*	26.3	-4-0	385.9	999.9	99.9	999.9	82.2	93.
56.9	137.5	16363.6	100.0	-67.0	59.9	273-1	17.5	17.5	-0.9	398.2	999.9	99. 9	999.9	86.9	93.
63.6	146.0	18105.6	75.0	-64.6	99.9	268.5	3.3	3.3	0. 1	437.4	999.9	99.9	999.9	93.2	94.
72.6	155.3	20598.1	50.0	-60.3	99.9	356.4	7.4	0.5	-7.3	501.5	999.9	99. 9	999.9	94.7	94.
86.1	165.3	25011.7	25.0	-52.0	99.9	22.9	3.3	-1.3	-3.0	635.6	999.9	99•9	999.9	95. 9	96.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NC. 349 MONETTE. MO

25 APRIL 1975 1210 GMT

T 74 353. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	4/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	8.0	438.0	961.4	16.1	15.0	240.0	2.6	2.3	1.3	254.0	323.3	11.2	93.0	0.0	c.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999. 9.	999.9	999.
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
0.3	9.1	539.7	950.0	15.7	15.4	999.9	99.9	99.9	99.9	294.6	325.2	11.7	98.5	999.9	999.
1.3	11.2	7t 6 • 4	925.0	14.8	14.5	995.9	99.9	99.9	59.9	295.9	325.6	11.3	98.2	999.9	999.
2.1	13.5	998.5	900.0	13.5	4.8	10.0	3.6	-0.6	- 3. 5	296.3	312.7	6.0	55.3	0.3	123.
3.0	15.8	1236.8	875.0	15.1	7.2	34.3	3.1	-1.8	-2.6	300.4	320.4	7.3	59.0	0.4	151.
4.0	18.2	1482.3	850.0	14.9	2.3	33.3	3.5	-1.9	-2.9	302.5	317.5	5.3	42.7	0.5	172.
4.9	20.7	1734.6	825.0	14.1	-12.6	55.5	3.4	-2.8	-1.9	303.8	309.6	1.9	15.7	0.6	195.
. 5.8	23.2	1993.1	800.0	12.8	-29.8	57.4	4.0	-3.4	-2.2	304.8	306.1	0.4	3.5	0.8	197.
6.6	25.7	2257.9	775.0	10.1	-22.3	31.5	2.7	-1.4	-2.3	304.8	307.4	0.8	8.3	0.5	204.
7.5	2e.3	2525.3	750.0	8.5	-25.9	312.4	3.7	2.7	-2.5	305.9	307.9	0.6	6.8	1.9	201.
8.5	31.1	2808-1	725.0	6.7	-30.8	292.4	7.9	7.3	-3.0	306.€	308.2	0.4	4.8	1.1	180.
9.5	34.0	3094.2	700.0	3.5	-27.4	294.1	9.6	8.7	-3.9	306.8	30 e . 7	0.6	8.0	1.4	160.
10.5	36.7	3388.0	575.0	1.5	-42.3	306.7	9.1	7.3	-5.4	307.3	308.1	0.2	3.4	1.9	148.
. : 11.5	39.6	3690.5	650.0	-0.1	-50.0	326.6	8.5	4.7	-7-1	308.6	309 - 1	0.1	1.0	2.4	146.
12.6	42.5	4003.5	625.0	-1.7	-51.0	327.4	8.2	. 4.4	-6.9	310.5	310.7	0.1	1.0	2.9	147.
13.7	45.6	4326.6	600.0	-4.3	-52.6	316.6	10.2	7.0	-7.4	311+1	311.3	0.0	1.0	3. 5	146.
14.8	48.8	4659.9	575.0	-7.2	-54+5	311.2	13.0	9.8	-8.6	311.5	311.6	0.0	1.0	4.3	144.
16.0	51.8	5005.0	550.0	-9-1	-55.7	999.9	99.9	99.9	99. 9	313.2	313.4	0.0	1.0	999.9	999.
17.6	55 <b>.</b> 1	5363.8	525.0	-10.9	-56 · B	999.9	99.9	99.9	99.9	315.3	315.4	0.0	1.0	995. 9	
18.9	58.4	5736+6	500.0	-13.5	-58.5	999.9	99.9	99.9	99.9	316.6	316.7	0.0	1.0	999•9	979.
20.2	€2.0	6124.1	475.0	-16.9	-60.7	999.9	95.9	99.9	99.9	317.0	317.1	0.0	1.0	939.9	999.
21.6	65.6	6528.0	450.0	-19.5	-62.3	295.4	22.4	20.2	-9.6	318.7	318.7	0.0	1.0	11.7	129.
23.2	69.5	6950.0	425.0	-23.0	-64.6	295.6	21.7	19.5	-9.4	319.4	319.5	0.0	1.0	13.6	127.
24.8	73.3	7391.0	400.0	-26.5	-66.9	292.8	23.2	21.4	-9.0	320.4	320.5	0.0	1.0	15.7	126.
26.4	77.5	7853.4	375.0	-30.5	-69.5	999.9	99.9	99.9	99.9	321.1	321 • 1	0.0	1.0	999.9	
99.9	99. 9	99.9	350.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	59.9	99.9	325.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
59.9	99.9	99.9	300.0	99.9	59.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	99.9	275.0	99.9	99.9	99.9	99.9	99.9	99+9	99.9		99.9	999.9	999.9	
99.9	99.9	99.9	250.0	99.9	99.9	99.9	99.9	99.9	59.9	99.9	959.9	99.9	999.9	999.9	
99.9	99.9	99.9	225.0	59.9	99.9	99.9	99.9	99.9	59.9	99.9	999.9	99•9	999•9	999.9	
99.9	99.9	99.9	200.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999•9	99.9	999.9	999. 9	
99.9	99.9	99.9	175.0	99.9	59.9	99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99.9	90.9	150.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999. 9	999.
99.9	55.9	99.9	125.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999•9	999.
99.9	99.9	99.9	100.0	99.9	59.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	
99.9	99.9	99.9	75.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	
99.9	95.9	95.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	59.9	999.9	99.9	999.9	999. 9	938.
99.9	99.9	99.9	25.0	99.9	99.9	. 99.9	99.9	99.9	59.9	99.9	999.9	99.9	999.9	999.9	999.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 -DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 363

156

20. 0

MX RTO RANGE AZ CEW PT DIR SPEED U COMP V CCMP POT T E POT T PH TIME CNTCT HEIGHT PRES TEMP PCT ÐG GM/KG KM MIN GFM MB DG C DG C DG M/SEC MISEC M/SEC DG K DG K 1095.0 887.0 10.7 160.0 4.2 -1.4 3.9 294.8 315.8 7.9 86.0 0.0 G. 0.0 14.0 8.5 999.9 999.9 999. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 55.9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99. 9 99.9 99.9 999.9 999. 9 999. 99.9 99.9 99.9 900.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 45.2 999.9 999. 1209.3 875.0 13.7 2.1 999.9 99.9 99.9 99.9 298.7 312.9 5.1 0.3 15.0 32.8 999. 9 999. 99.9 306.5 321.4 5.2 1.1 17.2 1456.6 850.0 18.7 1.8 999.9 99.9 99.9 319.7 1.3 339. 8.2 309.9 3.3 18.7 19.5 1713.1 825.0 19.7 -4.7 194.5 8.4 2.1 2.0 6.3 310.1 319.6 3.2 20.4 1.6 351. -5.5 219.9 5.2 2.9 21.7 1976.6 800.0 17.4 8.2 319.7 22.2 1.9 775.0 -6.3 233.7 7.9 4.6 310.4 3.1 . . 24.2 2246.3 15.1 6.3 3.7 -8-1 7.4 4.4 310.6 319.0 2.8 22.7 2. I 11. 26.5 2522.4 750.0 12.6 238.9 8.6 4.6 310.8 2.4 22.9 2.5 21. 725.0 10.1 -10.2 243.1 10.3 9.2 4.7 319.2 5.6 29.1 2805.4 11.5 311.4 318.3 23.6 3.0 29. -11.7 242.6 10.2 5.3 2.2 6.6 31.7 3055.8 700.0 7.6 311.0 317.3 25.7 3.6 35. 7.5 34.5 3393.9 675.0 4.6 - #354 241.4 10.9 9.6 5.2 2.0 312.5 317.0 19.6 4.2 39. 8.5 37.0 3699.8 650.0 3.0 -18.0 234.0 8.7 7.0 5.1 1.4 -20.0 217.8 8.5 5.2 6.7 314.3 318.3 1.2 18.3 4. A 39. 9.9 40.0 4016.0 625.0 1.5 39. -21.3 222.7 7.0 7.6 316.0 319.8 1.2 18.4 5.4 10.9 42.7 4344.0 600.0 -0.2 10.3 575.0 -1.9 -22.6 232.1 8.8 6.8 317.9 321.4 1.1 18.5 6.2 40. 12. 1 45.8 4683.2 11.1 319.2 322.4 16.7 6.9 42. 13.3 49.0 5035.3 550.0 -4.2 -24.5 239.1 10.9 9.3 5.6 1.0 -7.5 525.0 -27.1 319.5 322.1 0.8 19.0 7.7 44. 14.6 52.0 5399.9 245.1 10.9 9.9 4.6 10.6 19.2 8.5 46. EE. 3 5777.4 500.0 -11-1 -30.0 246.3 11.0 319.5 321.7 15.9 10.1 4.4 320.3 322.1 0.5 19.5 9.3 4 0. 17.1 58.6 6168.9 475.0 -14.3 -32.5 251.7 11.4 10.9 3.6 19.7 10.2 51. 45C.0 -17.3 -35.0 2. 5 321.4 322.9 0.4 18.5 62.3 6576.2 257.1 11.1 10.8 11.1 322.5 323.8 0.4 20.8 53. 19.9 65.9 7001.9 425.0 -20.6 -37.2 262.2 13.6 13.5 1.9 21 . 5 69.8 7446.2 400.0 -25.1 -40.9 264.3 14.9 14.9 1.5 322.3 323.2 G . 3 21.2 12.2 56. 13.5 23.1 73.8 7911.6 375.C -29.4 -43.9 271.7 16.6 16.6 -0.5 322.6 323.3 0.2 22.9 6 C . 350.0 -33.3 20.5 S. 2 323.7 324.4 0.2 25.1 15.1 63. 24.7 78.2 8400.0 -46.4 263.9 20.6 325.9 326 .4 0.1 23.5 17.2 66. 26.4 82.5 8916.8 325.0 -36.8 -50.0 264.8 23.8 23.7 2.2 328.7 999.9 99.9 999.9 10.0 66. 28.2 87.2 9466.9 300.0 -40.2 99.9 265.0 27.5 27.0 2.4 30.2 92.3 330.4 999.9 99.9 999.9 23. I 71. 10055.2 275.0 -44.8 99.9 264.9 28.7 28.€ 2.6 331.7 999.9 99.9 999.9 26.7 73. 32.3 97.6 13685.3 250.0 -50.0 99.9 266.6 29.7 29.6 1.8 999.9 34.5 103.3 333.7 999.9 99.5 30.8 75. 11365.9 225.0 -55.3 99.9 268.9 34.9 34.9 0.7 99.9 999.9 35.3 41.1 335.1 999.9 76. 36.6 109.8 12107-1 200.0 -61.7 99.9 264.7 41.3 3.8 340.7 999.9 999.9 38.6 116.0 12922.4 175.0 99.9 270.5 35.3 35.3 -0.3 99.9 40-0 7A. -66.2 361.3 999.9 99.9 999.9 44.8 79. 41.2 123.7 1386C.7 150.0 -63.2 99.9 265.4 29.1 29.0 2.4 99.9 50.6 44.2 131.3 14963.9 125.0 -63.2 99.9 259.0 33.8 33.2 6.5 380.5 999.9 999.9 79. 48.2 139.7 16356.1 100.0 -65.5 99.9 264.6 18.5 18.4 1.7 401.3 999.9 99.9 999.9 57.3 80. 999.9 75.0 446.5 99.9 995.9 63.4 79. 53.1 148.0 18108.1 -60.3 99.9 252.5 20.1 19.2 6.1 50.0 6.3 504.3 999.9 99.9 999.9 66.5 79. 60.0 157.3 20639.1 -59.1 99.9 289.7 6.7 -2. 3

-50.7

25.C

72.3

167.0

25083.1

4.0

332.4

99.9

1.9

-3.5

638.8

999.9

99.9

999.9

68.1

82.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 402 WALLOPS ISLAND, VA

25 APRIL 1975 1100 GMT

155 17• 0

TIME	CNTCT	<b>HEIGHT</b>	PRES	TEXP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MEN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.9	4.0.	1012.6	17.8	15.2	999.9	99.9	99.9	99.9	291.4	319.3	10.8	85.0	999.9	999.
0.5	5.3	111.6	1000.0	17.3	15.8	999.9	99.9	99.9	99.9	292.0	321.4	11.4	90.€	999. 9	999.
1.3	7.8	323.0	975.0	16.2	14.6	999.9	99.9	99.9	99.9	292.9	321.0	10.8	90.5	999.9	999.
2.4	9. 9	549.0	950.0	15.4	12.7	999.9	99.9	99.9	99.9	294.2	320.2	9.9	84.8	999. 9	999.
3, 2	11.9	775.4	925.0	14.5	10.2	999.9	99.9	99.9	99. 9	295.3	317.9	8.5	75.4	999. 9	939.
4.1 -	14.1	1007.1	900.0	13.4	9.0	999.9	99.9	99.9	99.9	296.4	318.1	8.1	74.8	999. 9	999.
5.1	16.0	1244.1	875.0	12.0	9.1	999.9	99.9	99,9	99.9	297.3	319.7	8.3	₹ 82•7	999.9	999.
6.0	18.3	1486.8	850.0	10.1	8.4	599.9	99.9	99.9	99.9	297.€	319.9	8.2	89.4	999.9	999.
7.0	20.5	1735. i	825.0	8.7	7.2	99009	99.9	99.9	99.9	298.8	319.9	7.8	90.3	999.9	
8.0	22.5	1989.3	800.0	7.1	5.3	999.9	99.9	99.9	99.9	299.6	316.9	7.0	80.3	999. 9	
9.1	25.2	2250.8	775.0	6.2	1.9	999.9	99.9	99.9	99.9	301.2	317.1	5.7	74.0	999. 9	
10.1	27.4	2519.2	750.0	4.7	-0.0	955.9	99.9	99.9	99.9	302.3	316.8	5.1	71 • 4	995. 9	
11.1	29.9	2795.3	725.0	3.6	-2.5	999.9	.99.9	99.9	99.9	303.9	316.5	4.4	64.3	999. 9	
12.2	32.6	3080.1	700.0	3.1	-5.9	999.9	99.9	99.9	99.9	306.3	316.7	3.5	51.8	939. 9	995.
13.3	35.1	3374.5	675.0	2.3	-12.0	999.9	99•9	99.9	99.9	308.5	315.4	2.3	33.9	999.9	
14.6	37.7	3678.8	650.0	0.9	-17.7	999.9	99.9	99.9	99.9	310.1	314.7	1.5	23.4	999.9	
15.8	40.3	3993.4	625.0	-0.1	-24.9	999.9	99.9	99.9	99.9	312.4	315.0	0.8	13.3	599. 9	
17.0	43.0	4318.8	600.0	-1.8	-20.2	999.9	99.9	99.9	99.9	314.1	310.6	0.7	13.4	999.9	
18. 2	45.9	4655.8	575.0	-4.1	-29.9	999.9	99.9	99.9	99.9	315.3	317.2	0.6	11.3	999.9	999.
19.5	48.9	5005.1	550 • 0	-6.0	-31.5	999.9	99.9	99.9	ç9.9	317.0	318.7	0.5	11.1	999• 9	999.
20.9	51.5	5367.5	525.0	-8.8	-32.2	999.9	99.9	99.9	99.9	317.9	319.6	0.5	13.0	999.9	-
22.4	55.0	5743.8	500.0	-10.8	-29.0	999.9	99.9	99.9	99.9	320.0	322.3	0.7	20.5	999. 9	999
23.7	57.9	6135.6	475.0	-14.2	-31-1	999.9	99.9	99.9	99.9	320.5	322.5	0.6	22.1	999. 9	999.
25.3	61.3	6542.7	450.0	-18.2	-32.6	999.9	99.9	99.9	99.9	320.3	322.2	0.5	27.0	999.9	999
26.9	£4.7	6966.8	425.0	-21.7	-35.4	999.9	99.9	99.9	99. 9	321.1	322.6	0.4	27.5	999.9	999.
28.6	68.1	7410.0	400.0	-25.5	-38.1	999.9	99.9	99.9	99.9	321.8	323.0	0.4	29.5	999.9	999.
30.4	71.7	7274.4	375.0	-29.6	-42.1	999.9	99.9	99.9	99. 9	322.4	323.3	0.2	28.3	999. 9	
32.2	75.7	8362.9	350.0	-33.2	-45.8	999.9	99.9	9949	99.9	323.9	324.5	0.2	26.6	999. 9	
34.3	79.8	8879.9	325∙?	-37.0	-51.5	999.9	99.9	99.9	99. 9	325.7	326.0	0.1	20.2	999• 5	
36.4	E4. 0	9428.1	300.0	-41.7	99.9	999.9	99.9	99.9	99•9	326.6	999.9	99.9	999.9	999.0	
39.6	98.4	10014-1	275.0	-45.6	99.9	999.9	99.9	99.9	99.9	329.3	999.9	99.9	999.9	999. 7	
40.9	93, 3	10642.5	250.0	-50.2	99.9	99949	99.9	99.9	99.9	331.4	599 <b>.</b> 9	99.9	999.9	999.9	
43.4	98.3	11321.4	225.0	-56.2	99.9	999.9	93.9	99.9	59.9	332.4	999.9	99.9	999.9	999. 9	
46.0	103.9	12059.6	200.0	-60.9	99.9	999.9	99.9	99.9	99.9	336.4	999.9	99.9	999.9	999. 9	
48.8	109.8	12883.0	175.0	-65.5	99.9	999.9	99.9	39.9	<b>59.</b> 9	341.8	999.9	99.9	999.9	999. 9	
52-1	116.0	13813.7	150.0	-63.1	99.9	999.9	99.9	99.9	99.9	361.4	999•9	99.9	999.9	99 <b>9.</b> 9	
56.2	123.3	14937.2	125.0	-61.4	99.9	999.9	99.9	99.9	99.9	383.6	999.9	99.9	999.9	999.9	
61.1	131.0	16327.7	100.0	-59.7	99.9	999.9	99.9	99.9	59 <b>.</b> 9	412.3	999.9	99.9	999.9	999. 9	
67.3	139.0	18104.7	75.0	-64.9	99.9	999.9	99.9	99.9	99.9	436.9	999.9	99.9	999.9	999. 9	
75.5	147-0	20619.7	50.0	-58.5	99.9	999.9	99.9	99.9	99.9	505.7	999.9	99.9	999.9	999.9	-
88.2	155.3	25047.8	25.0	-52.2	99.9	999•9	99.9	99.9	99.9	635.1	999.9	99.9	999.9	999.9	999.

\* EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP NEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 405 STERLING. VA

165 24. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	КM	DG
0.0	5.8	25.0	1003.3	12.3	11.6	230.0	1.5	1.1	1.0	286.3	308.6	8.7	97.0	C. 0	0.
0.1	6.0	112.9	1000.0	15.4	15.1	291.3	5.6	5.2	-2.0	290.0	317.8	10.9	98.3	0.1	72.
1.1	e. 4	329.5	975.0	17.7	13.5	296.7	6.8	6.1	-3.1	294.3	320.8	10.1	76.3	0.3	
1.9	10.7	551.6	950.0	16.0	12.4	303.6	7.2	6.0	-4.0	294.7	319.9	9.6	78.9	0.7	111.
2.9	13.1	777.9	925.0	13.9	11.1	311.8	7.2	5.4	-4.8	294.8	318.7	9.0	83.1	1.1	118.
3.8	15.4	1009-1	900.0.	12.5	10-0	311.9	7.6	5.7	-5.1	295.6	318.6	8.6	84.8	1.4	122.
4.6	17.7	1245.2	875.0	10.6	9.1	309.3	7.6	5.9	-4.8	295.9	318.1	8.3	89.9	1.8	124.
5.6	20.3	1497.0	850.0	9.9	7.2	307.2	6.6	5.3	-4.0	297.5	318.0	7.6	83.4	2.2	125.
6.5	22.7	1734.9	825.0	8.1	5.8	294.5	5.7	5.2	-2.4	298.1	317.2	7.0	85.3	2. 5	125.
7.4	25.3	1989-1	800.0	7+6	4.1	270.9	7+1	7.1	-0.1	300.0	317.8	6.4	78.6	2. 3	122.
8.3	27.8	2250.2	775.0	5.7	1.7	266.1	8.0	8.0	0.5	300.7	316.3	5.6	75.3	3.2	110.
9.2	30.5	2518.1	750.0	4.0	-0.5	264.6	8.2	8.2	0.8	301.6	315,4	4.9	72.0	3. 6	114.
10.1	33.3	2793.5	725.0	3.6	-8.8	275.4	8.0	8.0	-0.8	303.8	311.9	2.7	40.0	4.0	111.
11-1	35.9	3077.9	700.0	2.7	-19.2	283.1	8.7	8.5	-2.0	305.6	309.4	1.2	18.0	4.5	110.
12.1	38.8	3371.0	675.0	1.0	-17.0	273.1	11.4	11.4	-0.6	307.0	311.6	1.5	24.6	5e 1	109.
13.1	41.4	3673.4	650.0	-0.8	-13.1	265.6	14.7	14.6	1.1	308.3	314.9	2.2	39.1	5 € 8	
14.3	44.4	3985.7	625.0	-2.6	-12.6	262.8	18.9	18.7	2.4	309.8	316.9	203	46.2		
15.4	47.5	4309.9	600.0	-2.6	-23.6	265.8	18.4	18.4	1.3	313.3	316.3	0.9	17.9	8.2	
16.6	50.5	4646+1	575.0	-4.8	-27.9	566.8	19.8	19.8	0.1	314.5	316.7	0.7	14.3	9.4	
17.7	53.6	4994.1	550.0	-7.2	-27.4	265.6	20.9	20.9	1.6	315.6	318.0	0.7	18.0	10.9	
18.8	56.7	5354.6	525.0	-10.4	-27.9	265.9	20.7	20.7	1.5	316.0	318.5	0.7	22.0	12.1	95•
19.9	60.0	5728.0	500.0	-13.5	-28.7	267.0	21.5	21.5	1 - 1	316.7	319.0	0.7	26.3	13.5	
1.15	€3. 4	6116.3	475.0	-16.2	-33.2	262.3	20.4	20.2	2.7	317.9	319.6	0 • 5	21.3	15.1	94.
22.4	66.9	6521.4	450.0	-18.8	-30.9	268.4	22.5	22.5	0.6	319.6	321.8	0.6	33.5	16.6	
23.7	70.4	6946.3	425.0	-20.8	-35.1	274.4	21.3	21.2	-1.6	322.4	323.9	0.4	26.1	18.4	
25.1	74.2	7391.4	400.C	-24.1	-35.6	276.5	23.9	23.8	-2.7	323.6	325.2	0.5	33.5	50.5	
26.5	78.2	7858.1	375.0	-28.4	-33.6	276.1	22.9	22.7	-2.4	324.1	326.1	0.6	60.4	22. 2	
28.1	82.0	8349.8	350.0	-31.4	-36.2	276.0	30.8	30.6	- 3. 2	326.4	328 • 1	0.5	62.3	24.7	
29.7	86.2	8869.6	325.0	-36.1	-40.7	273.1	35.7	35.7	-1.9	326.8	358.0	0.3	62.5	28.0	
31.3	90.6	9419.9	300.0	-40.7	99.3	274.3	35.7	35.6	-2.7	328.0	999.9	99.9	999.9	31.4	
33.2	95.3	10005.8	275.0	-45.9	99.9	277-1	36.2	35.9	-4.5	328.8	999.9	99.9	999.9	35. 7	
35.3	100.2	10632-1	250.0	-51.7	99.3	272.9	34.0	34.0	-1.7	329.2	999.9	. 99.9	999.9	40.0	-
37.4	105.3	11305.8	225.0	-57.8	99.9	270.5	36.4	36 44	-0.3	330.0	599.9	99.9	999.9	44.3	
39.7	110.8	12039-1	200.0	-63.3	99.9	280.1	38.7	36.1	-6.8	332.5	999.9	99. 9	999.9	49.4	
42.0	116.8	12863.4	175.0	-62.7	99.9	306.4	31.2	25-1	-18-5	346.5	999.9	99.9	999.9	54.6	
44.8	123.7	13804.5	150.0	-62.8	99.9	285.1	12.8	12.4	-3.3	36169	999.9	99.9	999.9	57.4 61.8	
48•3	130.8	14942.3	125.0	-58.8	99.9	269.8	25.6	25.6	0.1	388.5	999.9	99.9	999.9		
52.7	138.8	16341.0	100.0	-59-1	59.9	278.6	19.9	19.7	-3.0	413.6	999.9	99.9	999.9	67.1 70.4	
58.3	147.3	18124.5	75.0	-62.9	99.9	258.9	11.8	11.5	2.3	441.0	999.9	99.9	999.9	72.1	95. 95.
66.3	157.3	20657.2	50.0	-57.9	99.9	20.8	4e6	-1.6	-4.3	507.0	999.9	99.9	999.9		
79.0	168.5	25078.3	25.0	-51.7	99.9	999.9	99.9	99.9	99.9	636.2	999.9	99.9	999.9	999.9	34.49

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 425 HUNTINGTON. WVA

25 APRIL 1975 1212 GMT

						23		14/2		•					
							1515 G	MT					1	44. 60.	0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX.RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	8. 7	246.0	980.1	17.0	16.0	999.9	59.9	99.9	99.9	293.4	324.0	11.8	94.0	999.9	999.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999•9	999.9	999.
0.2	9. 2	290.4	975.0	14.1	12.9	999.9	99.9	99.9	<b>59.9</b>	290.6	315.7	9.7	92•Ė	999.9	939.
0.7	11.3	510.7	950.0	14.3	13.2	999.9	99.9	99.9	¢9.9	293.1	319.5	10.1	93.1	999. 9	999.
1.3	13.5	735.8	925.0	12.5	11.3	999.9	99.9	99.9	99.9	293.3	317.4	9.2	92.7	969.9	999.
2. 3	. 15.6	965.6	900.0	10.8	9.3	999.9	99.9	99.9	99.9	293.7	315 <sub>0</sub> 5	8.2	90.4	999 <b>.</b> 9	999.
3.5	17.9	1200.3	875.0	9.3	7.5	999.9	99.9	99.9	99.9	294.5	314.3	7.4	8.6.0	999.9	999
4.8	20.3	1440.5	850.0	8.1	5.8	999.9	99.9	99.9	99. 9	295.6	314.0	6.8	85.3	999.9	999.
6.4	22.5	1687.3	825.0	7.5	5,1	999.9	99.9	99.9	99.9	297.4	315.6	6.7	84.9	999.9	
7.3	25.0	1940-8	800.0	7.0	4.6	999.9	99.9	99.9	59.9	299.4	317.7	6.7	84.9	99 <b>9</b> , 9	
8.2	27.3	2201.9	775.0	5.7	3+6	999.9	99.9	99.9	99. 9	300.8	318.5	6.4	85.9	999.9	
9.2	30.0	2469.9	750.0	4.4	1.9	999.9	99.9	99•9	99.9	302.1	318.4	5.9	83.7	999.9	
10. I	32•6	2745.8	725 • 0	2.7	0.6	999•9	99.9	99.9	66.8	303.2	318.7	5.5	85.7	~ 99 <b>9.</b> 9	
11.2	35.2	3029.4	700.0	1.2	-0.7	999.9	99.9	99.9	99.9	304.5	319.3	5.2	87.2	999. 7	
12.3	37.8	3322.3	675.0	0.6	-0.9	999.9	99.9	. 99.9	99.9	307.0	322.3	5.3	89.4	999+9	
13,5	40.7	3625.0	650.0	-0.9	-2.4	595.9	99.9	99.9	99.9	308.5	322.9	5.0	89.9	999.9	
14.7	43.3	3937.8	625.0	-2.4	-4.5	999.9	99.9	99.9	99. 9	310.3	323.3	4.4	85.4	999. 3	
16.1	46.3	4261.3	600.0	-4-1	-7.1	999.9	99.9	99.9	99.9	311.8	323.0	3.8	79.8	999.5	
17.4	49.2	4596.0	575.0	-6.2	-9.8	999.9	99.9	99.9	99.9	313.1	322.7	3.2	75.5	999.9	-
18.6	52.1	4942.1	550.0	-7.8	-11.7	995.9	99.9	99.9	99.9	315.2	323.9	2.8	73.2	999, 9	
19.9	55 <b>.</b> 3	5303.9	525.0	-9.9	-14.0	995.9	99.9	99.9	59.9	316.8	324.5	2.5	71.6	939.4	
21.2	58.4	5679.0	500.0	-12.2	-16.4	959.9	99.9	99.9	99.9	318.4	325.1	2.1	70-4	699.3	
22.6	62.0	6069.4	475.0	-14.9	-19.3	999.9	99.9	99.9	99.9	319.7	325.4	1.7	58.9	999. 5	999.
24.0	65.5	647702	450.0	-17.4	-21.9	999.9	99.9	99.9	99,9	321.6	326.4	1.5	67.6	999. 9	999.
25.4	69.0	6903.2	425.0	-20.3	-25.0	999.9	99.9	99.9	99 <b>.</b> 9	323.0	326.9	1.2	66.2	999.9	333.
26.7	72.6	7349.9	40C.0	-23.5	-28.2	999.9	99.9	99.9	99.9	324.4	327.6	0.9	64.9	999.9	999.
28.2	76.7	7818.4	375.0	-27.3	-32.2	996.9	99.9	99.9	99.9	325.4	327.8	0.7	63•2	999.9	999.
29. 9	80.3	8311.0	350.0	-31.7	-36.6	999.9	99.9	99.9	99.9	326.0	327.6	0.5	61.2	999. 3	
31.6	85.0	8830.9	325.0	-35.9	-40.8	999.9	99.9	99.9	99 <b>.</b> 9	327.2	328.4	0.3	59.8	999. 9	
33.2	89.2	9381.7	300.0	-40.6	99.9	999.9	99.9	99.9	99.9	328.2	969.9	99.9	999.5	999.9	
35.3	04.2	9967.6	275.0	-45.9	99.9	999.9	99.9	99.9	99.9	328.7	999.9	99.9	999.9	999. 9	
36.8	99.0	10594.0	250.0	-51.6	99.9	999.9	99.9	99.9	99.9	329.4	399.9	99.9	999•9	999. 9	
38.7	104.4	11267.9	225.0	-58-1	99.9	995.9	99.9	99.9	99.9	329.5	999.9	99.9	999.9	999. 9	
40.9	110.3	11998.3	200.0	-64.9	99.9	999.9	99.9	99.9	9 <b>9.</b> 9	330.0	999.9	99.9	999.9	999. 9	
43-2	116.4	12811.0	175.0	-65.6	99.9	999.9	99.9	99.9	99.9	341.6	999.9	99.9	999.9	999. 9	
45.5	123.0	13768.3	150.0	-60.2	99.9	999.9	99.9	99.9	ċ 3° 3	366.4	999.9	99.9	999.9	999. 9	
49.0	130.7	14901.7	125.0	-60.6	99.9	999.9	99.9	99.9	99. 9	385.3	999.9	99.9	999.9	999.9	
52.6	138.3	16302.3	100.0	-56.8	99.9	999.9	99.9	99.9	c9.9	417.9	959.9	99.9	999.9	999.9	
56.4	146.3	18099.0	75.0	-59.0	99.9	999.9	99.9	99.9	99.9	449.4	999.9	99.9	999.9	999.9	
99.9	99. 9	99.9	50.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10' DEG

<sup>.</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 429 DAYTON. UHID

## 25 APRIL 1975 1115 GMT

ANGLES	SMT AS	LALE L	ATMITE A	MAVE BEC	N I THEADLY	INTERPOLATED	EDUM	WHOLE	MINISTE	VALUES	

148 12. 1

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TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SFC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	7.8	298.0	976•6	11.1	10.2	e5.0	4.2	-4.2	-0.4	287.2	307.9	8.0	94.0	0.0	o.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	399.
0.1	8.0	311.7	975.0	11.2	10.8	174.4	2.6	-0.3	2.6	287.5	309.1	8.4	97.8	0.5	274.
1.0	10.2	529.0	950.0	11.0	10.8	144.4	5.4	-3.1	4.4	269.5	311.9	8.6	98.5	0.5	294.
2.0	12.2	753.1	925.0	12.6	12.4	146.0	7.2	-4.0	€.0	293.4	319.2	9•8	98.8	0.9	372.
3.0	14.5	983-1	900.0	11.0	10.6	154.9	4.4	-1.9	4.0	294.1	317.7	9.0	96.9	1.2	399.
4.0	16.5	1218.2	875.0	9.7	9.3	162.9	4.2	-1.2	4.0	295.0	317.4	8.4	97.0	1.4	314.
5.0	18.3	1459.0	850.0	8.4	8.0	166.9	3.4	-0.8	3.3	296.0	317.3	8.0	97.5	1.6	31 9.
6.1	20e ≆	1705.9	825.0	7.4	7.0	190.8	2.5	0.5	2.5	297.4	318.1	7.7	97.2	1.8	321.
6.9	23.3	1959.1	800.0	5.6	5.3	196-8	3.8	1.1	3.6	298.1	317.2	7.0	97.7	1.9	325.
7.9	25. 5	2218.8	775.0	4.0	3.7	213.1	4.8	2.6	4-1	299.0	316.7	6.5	97.6	2.0	331.
8.9	27.9	2485.2	750.0	2.8	2.5	218.8	6.3	4.0	4.9	300.4	317.3	6.1	98.0	2. 2	340.
9.9	30.3	2758.9	725.0	0.4	0.1	219.6	6.5	4.1	5.0	300.6	315.4	5.3	97.7	2.4	348.
11.2	32.9	3039.9	700.0	-1.3	-1.6	226.5	6.1	4.4	4.2	301.7	315.5	4.9	97.8	2. 8	357.
12.4	35.4	3329.3	675.0	-3.5	-6.7	233.9	4.7	3.8	2.8	302.1	312.1	3.4	78.6	3.0	. 3.
13.4	37.9	3626.5	650.0	-5.6	-12.7	241.0	3.0	2.6	1.4	302.9	309.5	2.2	57.2	3. 1	6.
14.8	40.5	3933.9	625.0	-6.8	-14.4	262.2	1.6	1.7	0.2	304.9	310.9	2.0	54.5	3.2	9.
16.2	43.7	4251.5	600.0	-8.4	-14.1	247.8	3.8	3.5	1.4	300.6	313.0	2.1	63.5	3.3	11.
17.7	45.9	4581.8	575.0	-9.0	-12.7	265.5	6.9	6.9	0.5	309.7	317.3	2.5	74.5	3.6	19.
19.1	48.7	4924.7	550.0	-11.4	-14-1	268.3	7.6	7.6	0.2	310.8	318.0	2.3	- 80. Z	3. 8	28.
20.4	51.4	5280.7	525.0	-12.9	-15.7	254.7	10.5	10.2	2.8	313.1	319.7	2.1	79.4	4.2	35.
22.0	54.4	5651.5	500.0	-15.2	-18.6	260.7	15.0	14.8	2.4	314.7	320.3	1.8	74.6	5. 3	44.
23.5	57.3	6037.A	475.0	-17.5	-21.7	257.8	15.2	14.9	3.2	316.4	321.0	1.4	70.0	€.4	52.
25. 1	60. 4	6440.8	450.0	-20.3	-24.2	235.0	18.1	14.8	10.4	317.E	321.7	1.2	70.8	7.8	55.
26.7	63.7	6862-3	425.0	-22.8	-25.6	223.3	21.8	15.0	15.9	319.9	323.6	1.1	77.2	9.8	53.
28.4	66.9	7304.8	400.0	-25.1	-28.2	224.6	27.2	19.1	19.4	322.4	325.5	0.9	75.4	12.3	51.
30. 3	70.3	7771-1	375.0	-28.4	-32.5	231.8	33.2	26.1	2C. 5	324.0	326 • 3	0.7	67.5	15.8	50.
32.1	73.9	8261.2	350.0	-32.9	-37.4	239.2	36.5	31.3	18.7	324.4	325.9	0.4	63.€	19.7	52
34-1	77.7	9778.7	325.0	-36.9	-41.4	240.9	39.7	34.7	19.3	325.8	326.9	0.3	62.3	24.0	53
36.2	81.3	9328.0	300.0	-41.2	99.9	239.3	42.7	36.8	21.8	327.4	999.9	99.9	999.9	29.2	54
38.7	85.5	9913+3	275.0	-46.1	99.9	241.2	43.4	38.1	21.0	328.5	999.9	99.9	999.9	35.9	55
41.4	89.7	10539.1	250.0	-51.6	99.9	242.4	46.5	41.2	21.5	329.4	999.9	99.9	999.9	43.0	. 57
44.0	94.4	11214.2	225.0	-57.3	99.9	242.5	49.0	43.5	22.6	330.7	999.9	99.9	999.9	50.7	57.
47.0	99.2	11950.2	200.0	-62.5	59.9	246.9	47.6	43.8	18.6	333.8	999.9	99.9	999.9	58. 5	56.
50.3	104.4	12763.7	175.0	-66.9	99.9	263.6	46.1*	45.8	5. 1	339.6	599.9	99.9	999.9	66.9	ol.
53.9	110.2	13714.7	150.0	-59.4	99.9	272.0	26.1*	26.0	-1.2	367.9	999.9	99.9	999.9	73. 5	64.
58.1	116.3	14855.5	125.0	59.9	99.9	256.8	24.0+	23.3	5.5	386.5	999.9	99.9	999.9	79.5	65.
63.5	123.7	16258.4	100.0	-59.0	99.9	257.5	15.9	15.6	3.5	413.7	999.9	99. 9	999.9	85.7	66.
69.9	131.5	19044.7	75.0	-62.4	99.9	262.6	8.4	8.3	1.1	442.2	999.9	99.9	999.9	91.2	66.
78.6	140.3	20595.0	50.0	-56.0	99.9	252.6	4.8	4.6	1.4	511.6	999.9	99.9	999.9	94.6	68.
92.3	149.0	25022.3	25.0	-52.5	99.9	53.7	3.4	-2.7	-2.0	633.8	999.9	99. 9	999.9	93.8	68.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 433 SALEM. ILL

## 25 APRIL 1975

1115 GMT

TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GPM	MB.	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.5	175.0	990.0	14.4	13.4	10.0	2•1	-0.4	-2.1	289.7	315.0	9.9	94.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.4	€. 6	304.7	975.0	14.8	13.4	343.7	3 • 2	0.9	-3.1	291.4	317.2	10.0	90.9	0. 1	168.	
1.0	8. 6	524+6	950.0	13.5	12.2	300.6	2.1	1.8	-1.1	<b>292.2</b>	316.8	9.4	91.5	9. 1	102.	
1.8	10.5	749.4	925.0	12.5	11.1	262.7	4.4	4-4	0.6	293.3	317.0	9.0	91.4		123.	
2.6	12.6	979.4	900.0	11.3	9.9	277-1	4.2	4.2	-0.5	294.3	317.0	8.6	91.2		106.	
3.3	14.7	1214.8	875.0	10.2	8.8	280.0	4.4	4.4	-0.8	295.5	317.3	6.2	91.1		105.	
4.1	16.7	1456.1	850.0	9.2	7.8	271.9	6.8	6.8	-0.2	296.8	317.9	7.8	90.6		102.	
4.9	18.9	1703.9	825.0	8.8	7.4	266.8	19.2	10.2	0.6	293.9	320.2	7.9	90.8	1.2		
. 5.7	21.0	1958.5	800.0	7.5	5.6	277.0	9•0	8.9	-1.1	300.1	319.8	7.2	87.8	1.8	96.	
6.6	23.4	2220.1	775.0	6.0	3.3	286.1	8.1	7.8	-2. 3	301-1	318.5	6 • 3	82.4	2.2		
7.5	25.5	2489.5	750.0	4.1	2.5	287.6	8 . 4	8.0	-2.5	301.8	318.9	5.1	89.4	2. 6		
8.3	28.0	2763.7	725.0	2.4	1.1	287.9	8.6	8.2	-2.6	302.8	318.9	5 • 7	91.3	3.0	-	
9.2	30.5	3047-0	700.0	0.6	-0.8	291.8	-9-4	8.8	-3.5	303.8	318.5	5 • 2	90∙€		101.	
10.2	33-0	3338•1	675 • 0	-1.4	-3.4	293.2	10.2	9.4	-4.0	304.7	317.4	4.4	85.8		153.	
11.2	35 <sub>0</sub> 5	3638.5	650.0	-3.3	-6.4	290.0	11.2	10.5	-3.8	305.7	316.4	3.7	79.2		104.	
12.1	38.1	3947.7	625.0	-5.3	-14.0	295.4	12.4	11.2	-5. J	306.6	312.9	2.1	50.2		155.	
13.2	40.7	4267.1	600.0	-7.5	-18.6	299.4	13.9	12.1	-6.8	307.6	312.1	1.5	40.6		107.	
14.2	43.4	4596.8	575.0	-9.9	-27.6	301.3	17.0	14.6	-8.8	308-4	310.9	0.8	24.2		100.	
15.3	46.4	4938.9	550.0	-11.4	-57.1	305.2	18.1	14.8	-10.4	310.6	310.7	0.0	1.0		111.	
16.5	49.4	5293.8	525.0	-14.2	-58.9	304.0	17.3	14.3	-9.7	311.3	311.4	0.0	1.0		113.	
17.8	52. 3	5661.9	500.0	-16.9	-60.7	302.5	16.6	14.0	-8.9	312.4	312.5	0.0	1.0		114.	
19. i	55. 4	6044.6	475.0	-20.0	-62.7	297.9	19.2	17.0	-9.0	313.2	313.2	0.0	1.0		115.	
20.6	58.7	5443.0	450.0	-22.9	-64.5	29067	21.6	20.2	-7.6	314.4	314.5	0.0	1.0		11E.	
21.9	€2.1	6858.9	425.0	-26.5	-66.9	281.9	22.0	21.0	-4.5	315.0	315.0	0.0	1.0		114.	
23.4	65.7	7294.1	400.0	-29.7	-69.0	273.4	22.7	22.7	-1.4	316.4	316.4	0.0	1.0		112.	
25.0	69.5	7751.7	375.0	-32.1	-70.6	260.7	28.5	28.1	4. 6	319.0	319.0	0.0	1.0		109.	
26.5	73.2	8236.1	350.0	-34.8	-72.3	250.9	35.8	33.8	11.7	321.8	321.8	0.0	1.0		175.	
28.1	77.3	8752.4	325.0	-36.0	-73.2	240.8	41-1	35∙9	20.0	326.9	327.0	0.0	1.0		100.	
29.8	81.6	9303.7	300.0	-39.8	99.9	226.4	41.8	30.2	28.8	329.3	999.9	99. 9	999•9	28.4	94.	
31 • 6	86.0	9892.2	275.0	-44.6	99.9	227.1	46.4	34.0	31.6	330.6	999.9	99.9	995.9	31.8		
33.6	91.0	10522.9	250.0	-49.8	99.9	230.3	47.9	36.9	30.6	332.0	999.9	99.9	999.5	36.6		
35.9	9ۥ2	11203. 6	225.0	-55.3	99.9	239.1	50.6	43.4	26.0	333.7	999.9	99.9	999•9	42.7		
38.1	101.9	11946.1	200.0	-60.3	99.9	252.4	50.4	48.1	15.2	337.4	999.9	99.9	999 <b>.</b> 9	49.5		
40.9	108.3	12776.7	175.0	-60.8	59.7	264.5	26.3	26.2	2.5	349.6	999.9	99.9	999.9	56∙ ≥		
44.2	115.0	13744.3	150.0	-57.4	99.9	274.5	29.4	29.3	-2.5	371.2	999.9	99. 9	99909	62. 3		
47.9	123.0	14893.2	125.0	-58.9	99.9	262.3	18.4	18.2	2.5	388.3	999.9	99.9	999•9	66.4	79.	
52.2	131.5	16291.5	100.0	-59.5	99.9	255.1	25.6	24.7	ۥ6	412.7	999.9	99. 9	999.9	72.9		
58-0	140-7	19095.8	75.0	-58.3	99.9	287.8	7.4	7.0	-2. 3	450.7	999.9	99.9	99 9• 9	79.6	81.	
65.5	150.3	20619.5	50.0	-57.2	99.9	353.7	4.8	05	-4.8	508.8	999.9	99.9	999.9	85.1	81.	
76.2	160.0	25082.9	25.0	-51.3	99.9	43.8	2.4	-1.7	-1.7	637-1	999.9	99.9	999.9	82. 2	83.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 451

156

18. 0

TIME CNTCT HELGHT PRES TEMP DEW PT DIR SPEED U COMP V CEMP POT T E POT T MX RTO RH RANGE AZ MIN GPM MB DG C DG C DG M/SEC M/SEC M/SEC DG K DG K GM/KG PC7 KM DG 10.6 0.0 13.3 791.0 921.1 140.0 291.6 312.9 93.0 0. 2 9.5 3.2 -2.1 2.5 8.1 · 0 . 1000.0 99.9 999.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 99.9 99.9 99.9 99.9 975.0 99.9 99.9 99.9 99.9 999.9 99.9 999.5 999. 9. 999. 999.9 99.9 99.9 99.9 950.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999. 999.9 999.9 99.9 99. 9 99.9 925.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 999. 136.7 900.0 11.4 -7.3 0.4 329. 0.7 15. 4 986.0 13.6 10.6 7.7 296+8 322.1 9.5 86.6 1.4 17.8 1224.4 875.0 14.5 7.1 131.3 9.0 -6.7 5.9 299.8 311.7 7.3 61.3 0.9 320. -0.2 2.3 20. 3 1469.4 850.0 14.5 139.2 5.5 -3.6 4.2 301.9 314.8 4.6 37.5 1.3 31 8. 3.1 22.8 1721.5 825.0 14.7 -10.8 171.0 4.7 -0.7 4.7 304.4 310.6 2.0 16.0 1.5 320. 3.9 25.3 1981.1 800.0 13.9 -11.8 228.2 6.1 4.6 4.1 306.3 312.2 1.9 15.6 1.6 326. 4.9 27.9 2247.4 775.0 12.6 -14.9 240.6 10.6 9.2 5.2 307.5 312.3 1.5 13.2 1.7 343. 2521.4 750.0 -20.4 308.8 5.8 30.6 11.2 239.8 14.1 12.2 7.1 312.0 1.0 9.0 2.0 з. 33.3 2802.7 725.0 309.2 6.7 8.8 -22.0 256.8 12.5 12.1 2. 8 312.2 0.9 9.2 2.4 19. 3091.7 700.0 6.9 11.3 7.7 36.0 -23.2 258.0 21.0 .2.4 310.2 313.0 0.8 9.4 2.8 33. 675.0 8.6 38.8 3388.9 4.2 -21.8 250.1 10.7 10.0 3.6 310.5 313.6 1.0 12.9 3.3 4C. 3694.0 9.6 41.6 650.0 1.2 -22.0 253.3 8.4 8.0 310.4 313.6 1.0 15.7 3. A 44. 2.4 4007.8 10.6 44.5 625.0 -1.7 -20 . 7 258.5 6.9 6.8 1.4 310.6 314.4 1.2 21.8 4.2 47. 11.6 47.5 4330.7 600.0 -4.9 254.5 310.6 314.7 29.9 50. -19.8 7.7 7.4 2.1 1.3 4.6 50.5 12.7 4664.1 575.0 -6.3 -38.9 254.4 11.1 10.7 3.0 312.7 314.1 0.4 10.5 5. 1 52.

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\* BY SPEEC MEANS ELEVATION STAGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

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6132.6

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7402-1

7664.6

8351.1

8866.3

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12033.0

12847.8

13789.1

14926.8

16304.2

15086.6

20623.1

25063.4

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525.0

500.0

475.0

450.0

425.0

400.0

375.0

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325.0

300.0

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200.0

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125.0

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25.0

-8.0

-10.0

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-16.0

-19-1

-22.3

-26.3

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-41.9

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-66.2

-61.9

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-62.8

-57.6

-59.0

-50.0

-55.0

-56.3

-58.4

-60-1

-62.1

-64+1

-65.0

-52.1

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<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATICN NO. 456 TOPEKA. KAN

159 22. 0

1.5 10.3 764.1 925.0 15.4 9.3 999.9 99.9 99.9 99.9 286.1 317.6 8.0 67.4 999.9 2.3 12.2 996.3 900.0 15.1 4.8 343.1 2.9 0.8 -2.8 297.9 314.4 6.0 50.4 0.3 3.0 14.3 1234.6 875.0 14.1 -0.6 3.9 4.1 -0.3 -4.1 299.0 310.9 4.2 36.4 0.4 3.7 16.1 1478.0 850.0 11.9 -3.9 14.2 4.8 -1.2 -4.6 299.1 308.7 3.4 32.7 0.6 4.5 18.2 1727.2 825.0 11.0 -20.7 358.6 3.9 0.1 -3.9 300.3 303.1 0.9 9.0 0.6 5.4 20.4 1983.1 800.0 9.8 -19.0 309.1 7.2 5.6 -4.6 301.7 305.0 1.1 11.3 1.0 6.3 22.4 2245.3 775.0 7.3 -17.0 310.9 9.0 7.2 -6.3 301.8 305.6 1.3 15.7 1.4 7.2 24.7 2514.1 750.0 6.6 -35.1 329.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 8.0 26.8 2791.6 725.0 6.0 -46.2 332.3 9.4 4.4 -8.4 306.1 306.4 0.1 1.0 2.4 9.0 29.2 3078.2 700.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 308.9 0.1 1.0 2.9 10.0 31.6 3373.8 675.0 3.0 -48.1 303.7 10.1 8.4 -5.6 309.0 309.3 0.1 1.0 3.5 11.1 34.1 3677.6 650.0 0.4 -47.3 298.7 10.3 9.1 -5.0 309.4 309.7 0.1 1.3 4.7 13.2 39.1 4312.8 600.0 -4.8 -53.0 298.5 12.3 10.8 -5.0 310.5 310.7 0.0 1.0 1.0 5.5 13.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.8 15.6 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 2.2 8.1	TIME	CNTCT	HEIGHT	PPES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
99.0 99.0 99.0 1000.0 99.9 50.0 99.0 99.0 99.0 99.0 99.0	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
99.0 99.0 99.0 1000.0 99.9 50.0 99.0 99.0 99.0 99.0 99.0	0.0	6.0	268.0	\$80 <b>.</b> 9	11-1	-11-1	20.0	1.5	-0.5	-1.4	286.9	308.7	8.5	100.0	0.0	0.	
0.1 6.4 318.9 975.0 11.6 11.6 99.0 90.0 90.9 90.0 288.2 310.9 8.9 98.6 990.0 1.5 10.3 764.1 925.0 15.4 9.3 90.0 90.9 90.9 90.9 253.1 316.7 9.8 89.9 990.9 90.9 1.5 10.3 764.1 925.0 15.4 9.3 90.0 90.0 90.9 90.9 253.1 316.6 80 67.4 990.9 2.3 13.6 13.6 13.6 80 67.4 990.9 2.5 13.2 90.0 15.4 9.3 14.5 14.6 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 15.4 14.6 14.6 14.6 14.6 14.6 14.6 14.6 14																	
0.8 8.3 537.9 950.0 14.4 12.7 990.9 90.9 90.9 250.1 316.7 9.8 89.9 590.9 2.5 1.5 10.3 76.4 192.5 15.4 9.3 990.9 90.9 90.9 250.1 317.6 80.0 67.4 990.9 2.3 12.2 990.3 900.0 15.1 4.8 343.1 2.9 0.8 -2.8 297.9 314.4 6.0 50.4 0.3 3.0 14.3 1234.6 875.0 14.1 -0.6 3.9 4.1 -0.3 -4.1 299.0 310.9 4.2 36.4 0.4 3.7 16.1 1478.0 850.0 11.9 -3.9 14.2 4.8 -1.2 -4.6 299.1 30.8 34.2 36.4 0.4 4.5 16.2 1727.2 825.0 11.0 -2.0 7 358.6 3.9 0.1 -3.9 300.3 30.3 1 0.9 90.0 0.8 5.4 20.4 1983.1 800.0 9.8 -1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0																	
1.5 10.3 764.1 925.0 15.4 9.3 996.9 99.0 99.9 99.0 290.1 317.6 8.0 67.4 999.9 3 3.0 14.3 1234.6 875.0 14.1 -0.6 34.9 4.1 -0.3 -4.1 299.0 310.9 4.2 36.4 0.4 31.7 16.1 1470.0 85.0 11.9 -3.9 14.2 4.8 -1.2 -4.6 299.1 308.7 3.4 32.7 0.6 4.5 18.2 1727.2 825.0 11.0 -20.7 358.6 3.9 0.1 -3.9 300.3 303.1 0.9 9.0 0.9 9.0 0.8 5.4 20.4 1983.1 800.0 5.8 -19.0 309.1 7.2 5.6 -4.6 301.7 305.0 1.1 11.3 1.5 6.3 22.4 2245.3 775.0 7.3 -17.0 310.2 9.6 7.2 -6.3 301.6 305.8 1.3 15.7 1.4 9.8 9.2 9.7 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9 9.9																	
2.3   12.2   996.3   990.0   15.1   4.8   343.1   2.9   0.8   -2.8   297.9   314.4   6.0   50.4   0.3   3.0   14.3   1234.6   875.0   14.1   -0.6   3.9   4.1   -0.3   -4.1   299.0   310.9   4.2   366.4   0.4   3.7   16.1   1478.0   850.0   11.9   -3.9   14.2   4.8   -1.2   -4.6   299.1   308.7   3.4   32.7   0.6   4.5   18.2   1727.2   255.0   11.0   -20.7   356.6   3.9   0.1   -3.9   300.3   303.1   0.9   9.0   0.8   5.4   20.4   1983.1   800.0   6.8   -19.0   309.1   7.2   5.6   -4.6   301.7   305.0   1.1   11.3   1.0   6.3   22.4   224.5   375.0   7.3   -17.0   310.9   9.6   7.2   -6.3   301.8   305.0   1.3   11.5   1.0   7.2   24.7   2514.1   750.0   6.6   -35.1   329.3   9.2   4.7   -7.9   303.7   304.0   0.3   3.3   1.9   8.0   26.8   2791.6   725.0   6.0   -46.2   332.3   9.4   4.7   -7.9   303.7   304.0   0.3   3.3   1.0   9.0   29.2   3078.2   700.0   5.5   -46.5   315.1   9.6   6.8   -6.8   306.6   308.9   0.1   1.0   2.9   10.0   31.6   3373.8   675.0   3.0   -48.1   303.7   10.1   8.4   -5.0   309.0   309.3   0.1   1.0   2.9   11.1   34.1   3577.6   650.0   0.4   -47.3   258.7   10.3   9.1   -5.0   309.4   309.7   0.1   1.3   4.1   12.1   36.5   3590.4   625.0   -2.2   -49.5   299.0   11.4   9.9   -5.5   309.9   310.1   0.1   1.3   4.1   13.2   39.1   4312.8   600.0   -4.8   -53.0   298.5   12.3   10.8   -5.9   310.5   310.7   0.0   1.0   5.5   14.3   44.1   4085.8   575.0   -7.7   -58.6   297.5   12.2   10.8   -5.9   310.5   310.7   0.0   1.0   5.5   15.6   44.3   4085.8   575.0   -7.7   -58.4   291.8   16.1   15.0   -6.0   312.9   313.0   0.1   1.2   2.2   6.1   16.8   47.2   5345.7   525.0   -10.5   -55.4   291.8   16.1   15.0   -6.0   312.9   313.0   0.1   2.2   6.1   19.3   53.3   6093.7   475.0   -10.5   -55.4   291.8   16.1   15.0   -6.0   312.9   313.0   0.1   2.2   6.1   19.3   53.3   6093.7   475.0   -10.5   -55.4   291.8   16.1   15.0   -6.0   312.9   313.0   0.1   2.2   6.1   19.3   53.3   6093.7   475.0   -6.5   -59.4   291.8   16.1   15.0   -6.0   312.9   313.0   0.1   1.0   6.6   15.8															999. 9	999.	
3.0 14.3 1234.6 875.0 14.1 -0.6 3.9 4.1 -0.3 -4.1 299.0 310.9 4.2 30.4 0.4 0.5 3.7 16.1 1478.0 850.0 11.9 -3.9 14.2 4.8 -1.2 -4.6 299.1 308.7 3.4 32.7 0.6 4.5 18.2 1727.2 825.0 11.0 -20.7 358.6 3.9 0.1 -3.9 300.3 303.1 0.9 9.0 0.8 5.4 20.4 1983.1 800.0 9.8 -190.0 309.1 7.2 5.6 -4.6 301.7 305.0 1.1 11.3 1.0 6.3 22.4 2245.3 775.0 7.3 -17.0 310.9 9.6 7.2 -6.3 301.8 305.8 1.3 15.7 1.4 11.3 1.0 8.0 20.8 2791.6 725.0 6.6 -351.3 299.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 8.0 20.8 2791.6 725.0 6.0 -46.2 332.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 8.0 20.8 2791.6 725.0 6.0 -46.2 332.3 9.4 4.4 -8.4 306.1 306.4 0.1 1.0 2.4 9.0 29.2 3078.2 700.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 308.9 0.1 1.0 2.9 10.0 31.6 3373.8 675.0 3.0 -46.1 303.7 10.1 8.4 -5.6 308.6 308.9 0.1 1.0 3.5 11.1 34.1 36.7 6.6 50.0 0.4 -47.3 250.7 10.3 9.1 -5.0 309.4 309.7 0.1 1.3 4.1 13.2 350.4 4.1 302.7 309.4 309.7 0.1 1.0 3.5 11.1 34.1 36.5 3590.4 625.0 -2.2 495.5 299.0 11.4 9.9 -5.5 309.9 310.1 0.1 1.3 4.1 13.2 39.1 4312.8 600.0 -4.8 -53.0 290.5 12.3 10.8 -5.9 310.5 310.7 0.0 1.0 5.5 16.8 47.2 5335.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.9 310.5 310.7 0.0 1.0 5.5 16.8 47.2 5335.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.0 312.9 313.0 0.1 32.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.9 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.9 313.0 0.1 3.5 9.1 18.2 23.5 59.1 6918.3 350.0 -2.5 9.9 50.4 291.8 16.1 15.0 -6.0 312.9 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -2.5 59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.4 16.5 20.5 59.1 6918.3 32.0 0.0 1.2 2.8 6.1 18.2 59.1 6918.3 32.0 0.0 1.2 2.5 8.1 18.0 50.2 59.1 6918.3 32.0 0.1 3.5 9.1 18.2 22.2 59.1 6918.3 32.0 0.1 3.5 5.2 4.9 5.4 291.8 16.1 15.0 -6.0 312.9 313.0 0.1 3.5 9.1 16.8 37.0 0.0 1.2 2.8 6.1 33.3 30.0 0.1 3.0 5.0 0.1 3.5 9.1 3.0 5.0 0.0 1.0 1.0 6.3 3.3 3.0 0.1 3.0 0.1 3.0 5.0 0.1 3.0 5.0 5.0 0.0 1.0 5.5 5.0 0.0 0.0 1.0 5.5 5.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0													6.0	50.4	0.3	152.	. '
3.7   16.1   1478.0   850.0   11.9   -3.9   14.2   4.8   -1.2   -4.6   299.1   308.7   3.4   32.7   0.6   4.5   18.2   1727.2   825.0   11.0   -20.7   355.6   3.9   0.1   -3.9   300.3   303.1   0.9   9.0   0.8   5.4   20.4   1983.1   800.0   9.8   -19.0   309.1   7.2   5.6   -4.6   301.7   305.0   1.1   11.3   1.0   6.3   22.4   224.5   3775.0   7.3   -17.0   310.2   9.6   7.2   -6.3   301.8   305.6   1.3   15.7   1.4   7.2   24.7   2514.1   750.0   6.6   -35.1   329.3   9.2   4.7   -7.9   303.7   304.6   0.3   3.3   1.9   8.0   26.8   2791.6   725.0   6.0   -46.2   332.3   9.4   4.4   -8.4   306.1   360.4   0.1   1.0   2.4   9.0   29.2   3076.2   700.0   5.5   -46.5   315.1   9.6   6.8   -6.8   308.6   300.9   0.1   1.0   2.9   10.0   31.6   3373.8   675.0   3.0   -48.1   303.7   10.1   8.4   -5.6   309.0   309.3   0.1   1.0   2.9   11.1   34.1   3677.6   650.0   0.4   -47.3   298.7   10.3   9.1   -5.0   309.4   309.7   0.1   1.3   4.1   13.2   39.1   4312.8   600.0   -4.8   -53.0   299.5   12.3   10.8   -5.9   310.5   310.1   0.1   1.3   4.7   13.2   39.1   4312.8   600.0   -4.8   -53.0   299.5   12.3   10.8   -5.9   310.5   310.1   0.1   1.3   4.7   15.6   47.2   5345.7   525.0   -7.7   -54.8   297.5   12.2   10.8   -5.6   311.0   311.1   0.0   1.0   6.3   15.6   47.2   5345.7   525.0   -13.0   -51.7   290.4   14.5   13.6   -5.0   312.8   313.0   0.1   2.2   8.1   18.0   50.2   5715.1   500.0   -16.5   -50.4   291.8   16.1   15.0   -6.0   312.8   313.0   0.1   2.2   8.1   19.3   53.3   609.7   475.0   -18.8   -59.4   301.1   18.2   15.6   -9.4   314.7   314.8   0.0   1.4   10.5   22.5   55.9   6495.6   450.0   -21.5   -59.8   300.5   19.6   16.9   -9.9   316.1   316.2   0.0   1.4   10.5   23.8   62.6   7356.7   400.0   -27.6   -59.8   300.5   19.6   16.9   -9.9   316.1   316.2   0.0   1.4   10.6   24.7   57.0   69.4   8301.4   350.0   -31.5   -52.4   296.6   22.3   19.5   -10.7   318.8   310.1   0.1   0.6   13.6   25.7   69.4   8301.4   350.0   -31.5   -52.4   296.6   22.3   19.5   -10.7   318.8   310.1   0.				875.0					-0.3	-4.1	299.0		4.2	36.4		156.	
5.4 20.4 1983.1 800.0 5.8 -19.0 309.1 7.2 5.6 -4.6 301.7 305.0 1.1 11.3 1.0 6.3 22.4 2245.3 775.0 7.3 -17.0 310.2 9.6 7.2 -6.3 301.6 305.6 1.3 15.7 1.6 7.2 24.7 2514.1 750.0 6.6 -35.1 329.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 8.0 26.8 2791.6 725.0 6.0 -46.2 332.3 9.4 4.8 -8.4 306.1 306.4 0.1 1.0 2.4 9.0 29.2 3078.2 700.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 308.9 0.1 1.0 2.9 10.0 31.6 3373.8 675.0 3.0 -48.1 303.7 10.1 8.4 -5.6 309.0 309.3 0.1 1.0 3.5 11.1 34.1 3677.6 650.0 0.4 -47.3 278.7 10.3 9.1 -5.0 309.4 309.7 0.1 1.3 4.1 12.1 36.5 3990.4 625.0 -2.2 -49.5 299.0 11.4 9.9 -5.5 309.9 310.1 0.1 1.3 4.1 13.3 1.9 1.3 1.3 1.3 1.9 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0		16.1	1478.0	850.0	11.9	-3.9	14.2		-1.2	-4.6	299.1		3.4	32.7	0.6	169.	
7.2 24.7 2514.1 750.0 6.6 -35.1 329.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 7.2 24.7 2514.1 750.0 6.6 -35.1 329.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 8.0 26.8 2791.6 725.0 6.0 -46.2 332.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 8.0 26.8 2791.6 725.0 6.0 -46.2 332.3 9.2 4.4 -6.4 306.1 306.4 0.1 1.0 2.4 9.9 29.2 3076.2 700.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 300.9 0.1 1.0 2.4 9.0 29.2 3076.2 700.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 300.9 0.1 1.0 2.9 10.0 31.6 3373.8 675.0 3.0 -48.1 303.7 10.1 8.4 -5.6 309.0 309.3 0.1 1.0 3.5 11.1 34.1 36.7 650.0 0.4 -47.3 268.7 10.3 9.1 -5.0 309.4 309.7 0.1 1.3 4.1 36.5 3690.4 625.0 -2.2 -49.5 299.0 11.4 9.9 -5.5 309.9 310.1 0.1 1.3 4.1 36.5 3690.4 309.7 0.1 1.3 36.5 3690.4 309.7 0.1 1.3 36.5 3690.4 309.7 0.1 1.3 36.5 3690.4 309.7 0.1 1.3 36.5 3690.4 309.7 0.1 1.3 36.5 3690.4 309.7 0.0 1.0 5.5 36.8 3690.4	4.5	18.2	1727.2	825.0	11.0	-20.7	358.6	3.9	0.1	-3.9	300.3	303.1	0.9	9. 0	0.6	175.	
8.0 26.8 2791.6 725.0 6.6 -35.1 329.3 9.2 4.7 -7.9 303.7 304.6 0.3 3.3 1.9 9.0 26.8 2791.6 725.0 6.0 -46.2 332.3 9.4 4.8 -8.4 306.1 306.4 0.1 1.0 2.4 9.0 29.2 3078.2 790.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 308.9 0.1 1.0 2.4 9.0 29.2 3078.2 790.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 308.9 0.1 1.0 2.9 10.0 31.6 3373.8 675.0 3.0 -48.1 303.7 10.1 8.4 -5.6 309.0 309.3 0.1 1.0 3.5 11.1 34.1 34.1 34.1 34.1 34.1 34.1 34.1	5.4	20.4	1983.1	800.0	9.8	-19.0	309.1	7.2	5.6	-4.6	301.7	305.0	1.1	11.3	1.0	167.	
8.0	6.3	22.4	2245.3	775.0	7.3	-17.0	310.9	9.6	7.2	-6.3	301.8	305.8	1.3	15.7	1.4	155.	
9.0 29.2 3078.2 700.0 5.5 -46.5 315.1 9.6 6.8 -6.8 308.6 308.9 0.1 1.0 2.9 10.0 31.6 3373.8 675.0 3.0 -48.1 303.7 10.1 8.4 -5.6 309.0 309.3 0.1 1.0 3.5 11.1 34.1 3677.6 650.0 0.4 -47.3 298.7 10.3 9.1 -5.0 309.4 309.7 0.1 1.3 4.1 12.1 36.5 3990.4 625.0 -2.2 -49.5 299.0 11.4 9.9 -5.5 309.9 310.1 0.1 1.3 4.1 13.3 3.1 30.1 31.2 30.1 4312.8 600.0 -4.8 -5.5 309.5 310.1 3.5 310.7 0.0 1.0 5.5 310.3 30.1 31.2 30.1 4312.8 600.0 -4.8 -5.5 309.5 310.1 3.5 310.7 0.0 1.0 5.5 310.3 30.1 30.1 30.1 30.1 30.1 30.1 30.	7.2	24.7	2514.1	750.0	6.6	-35.1	329.3	9.2	4.7	-7.9	303.7	304 . 6	G. 3	3.3	1. 9	151.	
10.0 31.6 3373.8 675.0 3.0 -48.1 303.7 10.1 8.4 -5.6 309.0 309.3 0.1 1.0 3.5 11.1 34.1 3677.6 650.0 0.4 -47.3 298.7 10.3 9.1 -5.0 309.4 309.7 0.1 1.3 4.1 12.1 36.5 3990.4 625.0 -2.2 -49.5 299.0 11.4 9.9 -5.5 309.9 310.1 0.1 1.3 4.7 13.2 39.1 4312.8 600.0 -4.8 -53.0 298.5 12.3 10.8 -5.9 310.5 310.7 0.0 1.0 5.5 14.3 41.0 4645.8 575.0 -7.7 -5.6 297.0 11.4 10.8 -5.6 311.0 311.1 0.0 1.0 6.3 15.6 44.3 4989.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 7.1 16.8 47.2 5345.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.0 312.8 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.8 313.2 0.1 3.5 9.1 19.3 53.2 609.7 475.0 -18.8 -59.4 301.1 18.2 15.6 -9.4 314.7 314.8 0.0 1.4 16.5 20.5 55.9 6496.6 450.0 -21.5 -59.8 300.5 19.6 10.9 -9.9 316.1 316.2 0.0 1.4 16.5 22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.7 356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 27.0 69.4 8301.4 350.0 -35.3 -52.4 296.8 2.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -52.4 296.8 2.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -55.7 298.7 298.7 29.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 32.4 31.2 30.1 11.6 20.5 32.4 31.2 30.1 31.6 20.0 11.9 22.9 33.4 81.2 9538.3 37.5 0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 32.4 81.2 9538.3 37.5 0 -35.3 -55.7 298.7 298.4 29.9 32.4 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	8.0	26.8	2791.6	725.0	6.0	-46.2	332.3	9.4	4,4	-8.4	306.1	306.4	0.1	1.0	2. 4	153.	
11:1 34:1 36:5 3990.4 625.0	9.0	29. 2	3078.2	700.0	5.5	-46.5	315-1	9.6	6.8	-ć. 8	308.6	308.9	0.1	1.0	2,9	151.	
12.1 36.5 3990.4 625.0 -2.2 -49.5 299.0 11.4 9.9 -5.5 309.9 310.1 0.1 1.3 4.7 13.2 39.1 4312.8 600.0 -4.8 -53.0 290.5 12.3 10.8 -5.9 310.5 310.7 0.0 1.0 5.5 14.3 4.6 4645.8 575.0 -7.7 -54.8 297.5 12.2 10.8 -5.6 311.0 311.1 0.0 1.0 6.3 15.6 44.3 498.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 7.1 16.8 47.2 5345.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.0 312.8 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.8 313.0 0.1 3.5 9.1 19.3 53.0 6099.7 475.0 -18.8 -59.4 301.1 18.2 15.6 -9.4 314.7 314.8 0.0 1.4 16.5 20.5 55.9 6495.6 450.0 -21.5 -59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.7 11.9 22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 2.3 19.5 -10.7 318.8 319.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 30.4 77.2 9357.4 300.0 -43.2 59.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 30.3 34.8 85.7 1053.2 250.0 -56.3 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 1053.2 250.0 -56.3 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 1053.2 250.0 -56.3 99.9 297.5 38.3 33.9 -17.7 327.3 399.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 1053.2 250.0 -56.3 99.9 297.5 38.3 33.9 -17.7 327.3 399.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 1053.2 250.0 -56.3 99.9 297.5 38.3 33.9 -17.7 327.3 399.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 1053.2 250.0 -56.3 99.9 297.5 38.3 33.9 -17.7 327.3 399.9 99.9 99.9 99.9 99.9 99.9 99.9	10.0	31.6	3373.8	675.0	3.0	-48-1	303.7	10.1	8.4	-5.6	369.0	309.3	0.1	1.0	3.5	147.	
13.2 39.1 4312.8 600.0 -4.8 -53.0 298.5 12.3 10.8 -5.9 310.5 310.7 0.0 1.0 5.5 14.3 11.6 4645.8 575.0 -7.7 -54.8 297.5 12.2 10.8 -5.6 311.0 311.0 311.1 0.0 1.0 6.3 11.6 44.3 4989.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 7.1 16.8 47.2 5345.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.0 312.8 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.9 313.2 0.1 3.5 9.1 19.3 53.0 6093.7 475.0 -18.8 -59.4 301.1 18.2 15.6 -9.4 314.7 314.8 0.0 1.4 16.5 20.5 55.9 6499.6 450.0 -21.5 -59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.7 11.9 22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 296.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 296.7 296.6 24.1 -11.3 32.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -35.3 -54.7 296.5 295.1 26.6 24.1 -11.3 32.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -35.3 -54.7 296.7 29.4 11.3 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 32.9 99.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 32.9 99.9 99.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 32.4 999.9 99.9 99.9 99.9 99.9 30.0 37.2 00.4 11239.8 225.0 -56.3 99.9 297.1 44.6 39.7 -20.3 32.4 999.9 99.9 99.9 99.9 99.9 99.9 30.0 37.2 00.4 11239.8 225.0 -56.3 99.9 297.1 44.6 39.7 -20.3 32.4 999.9 99.9 99.9 99.9 99.9 99.9 99.9	11.1	34.1	3677.6	650.0	0.4	-47.3	298.7	10.3	9.1	-5.0	309.4	309.7	0.1	1.3	4.1	143.	
14.3	12.1	36.5	3990.4	625.0	-2.2	-49.5	299.0	11.4	9.9	-5.5	309.9	310.1	0.1	1.3	4.7	139.	
15.6 44.3 4989.5 550.0 -10.5 -55.4 291.9 13.1 12.2 -4.9 311.6 311.7 0.0 1.2 7.1 16.8 47.2 5345.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.0 312.8 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.9 313.2 0.1 3.5 9.1 19.3 53.0 6098.7 475.0 -18.8 -59.4 301.1 18.2 15.6 -9.4 314.7 314.8 0.0 1.4 16.5 20.5 55.9 6495.6 450.0 -21.5 -59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.7 11.9 22.5 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 16.1 27.0 69.4 8301.4 35.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 59.9 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 399.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -50.4 99.9 297.5 38.3 33.9 -17.7 327.3 399.9 99.9 99.9 99.9 99.9 99.9 99.9	13.2	39.1	4312.8	600.0	-4.8	-53.0	298.5	12.3	10.8	-5.9	310.5	310.7	0.0	1.0	5. 5	136.	
16.8 47.2 5345.7 525.0 -13.0 -51.7 290.4 14.5 13.6 -5.0 312.8 313.0 0.1 2.2 8.1 18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.9 313.2 0.1 3.5 9.1 19.3 53.3 6099.7 475.0 -18.8 -59.4 301.1 18.2 15.6 -9.4 314.7 314.8 0.0 1.4 16.5 20.5 55.9 6499.6 450.0 -21.5 -59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.7 11.9 22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 16.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 20.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 59.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 25.9 32.4 81.2 9538.3 275.0 -46.9 99.9 275.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 25.9 32.4 81.2 9538.3 275.0 -46.9 99.9 275.1 32.8 29.7 -13.9 32.4 999.9 99.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 277.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 99.9 37.3 37.7 90.4 11239.8 225.0 -56.3 99.9 276.4 37.9 33.4 -18.0 332.3 99.9 99.9 99.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 276.2 37.9 33.4 -18.0 332.3 99.9 99.9 99.9 99.9 99.9 99.9 99.	14.3	41.6	4645.8	575.0	-7.7	-54.8	297.5	12.2	10.8	-5.6	311.0	311.1	0.0	1.0	6.3	134.	
18.0 50.2 5715.1 500.0 -16.5 -50.4 291.8 16.1 15.0 -6.0 312.9 313.2 0.1 3.5 9.1 19.3 53.3 6093.7 475.0 -18.8 -59.4 301.1 18.2 15.6 -9.4 314.7 314.8 0.0 1.4 10.5 20.5 55.9 (495.6 450.0 -21.5 -59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.7 11.9 22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.6 20.5 30.4 77.2 9357.4 300.0 -43.2 59.9 295.1 32.8 20.7 -13.9 324.4 999.9 99.9 99.9 99.9 25.9 32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 296.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 296.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -66.1 338.1 999.9 99.9 99.9 99.9 99.9 47.2 45.7 107.7 13764.2 150.0 -60.3 99.9 283.4 26.2 25.5 -66.1 338.1 999.9 99.9 99.9 99.9 99.9 58.3 49.9 115.0 1489.6 125.0 -60.3 99.9 277.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 99.9 99.9 99	15.6	44.3	4989.5	550.0	-10.5	-55.4	291.9	13.1	12.2	-4.9	311.6	311.7	0.0	1.2	7, 1	132.	
19.3	16.8	47.2	5345.7	525.0	-13.0	-51.7	290.4	14.5	13.6	-5.0	312.8	313.0	0.1	2.2	8.1	129,	
20.5 55.9 6499.6 450.0 -21.5 -59.8 300.5 19.6 16.9 -9.9 316.1 316.2 0.0 1.7 11.9 22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 99.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 25.9 32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 329.6 999.9 99.9 99.9 99.9 30.3 37.2 90.4 11239.8 225.0 -56.3 99.9 283.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 33.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 47.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 99.9 59.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 59.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 99.9 99.9 99.9	18.0	50.2	5715-1	500.0	-16.5	-50.4	291.8	16.1	15.0	-6.0	312.9	313.2	0.1	3.5	9.1	127.	
22.2 59.1 6918.3 425.0 -24.9 -54.1 299.1 20.2 17.6 -9.8 317.0 317.2 0.1 4.6 13.8 23.8 62.6 7356.7 400.0 -27.8 -53.4 298.6 22.3 19.5 -10.7 318.8 319.1 0.1 6.6 15.8 25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 321.6 0.1 11.6 20.5 28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 59.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 25.9 32.4 61.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 255.5 -6.1 338.1 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 255.5 -6.1 338.1 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 99.9 71.5 58.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.8 99.9 99.9 99.9 99.9 71.5 58.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.8 99.9 99.9 99.9 99.9 71.5 58.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.8 99.9 99.9 99.9 99.9 99.9 71.5 58.6 134.0 18100.4 75.0 -60.9 99.9 277.3 26.6 61 4.2 4.4 45.3 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 59.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 59.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 59.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 99.9 99.9 99.9	19.3	53.0	6099.7	475.0	-18.8	-59.4	301.1	18.2	15.6	<del>-</del> 9.4	314.7	314.8	0.0	1.4	10.5	125.	
23.8	20.5	55.9	6499.6	450.0	-21.5	-59.8	300.5	19.6	16.9	-9.9	316.1	316.2	0.0	1.7	11.9	125.	
25.3 65.9 7816.8 375.0 -31.5 -52.4 296.8 24.5 21.9 -11.1 319.8 320.1 0.1 10.6 18.1 27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 99.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 37.2 90.4 11239.8 225.0 -56.3 99.9 296.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 47.2 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 59.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 99.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 277.3 26.6 26.4 -3.4 413.9 99.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 99.9 99.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 99.9 99.9 99.9 99.9 99.9 99.9	22.2	59. 1	6918.3	425.0	-24.9	-54 - 1	299-1	20.2	17.6	-9.8	317.0	317.2	0.1	4.6	13.8	124.	
27.0 69.4 8301.4 350.0 -35.3 -54.7 298.7 24.4 21.4 -11.7 321.1 321.3 0.1 11.6 20.5 28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 99.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 999.9 25.9 32.4 81.2 993.8 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 329.6 999.9 99.9 99.9 99.9 30.3 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 42.7 47.2 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 47.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 79.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 99.9 99.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 99.9 99.9 99.9 99.9 99.9 99.9	23. 8	€ 2. €	7356-7	400.0	-27.8	-53.4	298.6	22.3	19.5	-10.7	318.8	319.1	0.1	6.6	15.8	124.	
28.7 73.1 8813.3 325.0 -39.1 -57.6 295.1 26.6 24.1 -11.3 322.6 322.8 0.0 11.9 22.9 30.4 77.2 9357.4 300.0 -43.2 99.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 99.9 99.9 25.9 32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 329.6 999.9 99.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 288.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 47.2 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 59.9 47.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 99.9 99.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 277.3 26.6 26.4 -3.4 413.8 999.9 99.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 99.9 99.9 99.9 99.9 99.9	25.3	65.9	7816.8	375.0	-31.5	-52.4	296.8	24.5	21.9	-11.1	319.8	320.1	0.1	10.6	18.1	123.	
30.4 77.2 9357.4 300.0 -43.2 99.9 295.1 32.8 29.7 -13.9 324.4 999.9 99.9 999.9 25.9 32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 99.9 99.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 329.6 99.9 99.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 47.2 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 277.3 26.6 26.4 -3.4 413.8 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 70.6	27.0	69.4	8301.4	350.0	-35e3	-54.7	298.7	24.4	21.4.	-11.7	321.1	321.3	0.1	11.6	20.5	122.	
32.4 81.2 9538.3 275.0 -46.9 99.9 297.5 38.3 33.9 -17.7 327.3 999.9 99.9 999.9 30.3 34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 329.6 999.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 42.7 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 99.9 58.3 59.6 134.0 18100.4 75.0 -60.9 99.9 277.3 26.6 26.4 -3.4 445.3 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 79.6	28.7	73.1	8613.3	325.0	-39-1	-57.6	295.1	26.6	24.1	-11.3	322.6	322.8	0.0	11.9	22.9	122.	
34.8 85.7 10563.2 250.0 -51.4 99.9 297.1 44.6 39.7 -20.3 329.6 999.9 99.9 99.9 36.0 37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 47.2 47.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 70.6 59.6 134.0 18100.4 75.0 -60.9 99.9 277.3 26.6 26.4 -3.4 413.5 999.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 99.9 99.9 99.9 99.9 79.6	30.4	77.2	9357.4	300.0	-43.2	59.9	295.1	32.8	29.7	-13.9	324.4	999.9	99.9				
37.2 90.4 11239.8 225.0 -56.3 99.9 298.4 37.9 33.4 -18.0 332.3 999.9 99.9 99.9 99.9 42.7 39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 99.9 47.2 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 99.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 64.4 54.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.5 999.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 79.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 79.6	32.4	61.2	9538.3	275.0	-46.9	99.9	297.5	38.3	33.9	-17.7	327.3		99.9	999.9			
39.6 95.6 11982.4 200.0 -59.8 99.9 283.4 26.2 25.5 -6.1 338.1 999.9 99.9 99.9 47.2 42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 59.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 58.3 58.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.8 999.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9	34.8	85.7	10563.2	250.0	-51.4	99.9	297.1	44.6	39.7	-20.3	329.6	999.9	99.9	999.9	36. 0	120.	r
42.2 101.2 12807.1 175.0 -64.6 99.9 271.2 37.9 37.9 -0.8 343.4 999.9 99.9 99.9 59.9 51.2 45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 58.3 49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 99.9 58.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.8 999.9 99.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 273.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9	37.2	90.4	11239.8	225.0	-56.3	99.9	298.4	37.9	33.4	-18.0	332.3		99.9		42.7	119.	r i
45.7 107.7 13764.2 150.0 -60.3 99.9 281.3 31.9 31.2 -6.2 366.2 999.9 99.9 99.9 99.9 499.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 99.9 64.4 54.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.9 999.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 79.6	39.6	95.6	11982.4	200.0	-59.8	99.9	283.4	26.2	25.5	-6.1	338.1		99.9				
49.9 115.0 14899.6 125.0 -61.1 99.9 275.9 30.1 29.9 -3.1 384.4 999.9 99.9 99.9 64.4 54.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.9 999.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 99.9 76.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 79.6	42.2	101-2	12807-1	175.0	-64.6	99.9		37.9		-0. B	343.4						
54.6 123.3 16300.4 100.0 -58.9 99.9 277.3 26.6 26.4 -3.4 413.8 999.9 99.9 99.9 71.5 59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 99.9 76.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 99.9 79.6	45.7	107.7	13764.2		-60.3						366.2			-			
59.6 134.0 18100.4 75.0 -60.9 99.9 223.6 6.1 4.2 4.4 445.3 999.9 99.9 999.9 70.6 67.3 147.0 20630.7 50.0 -58.1 99.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 999.9 79.6								30.1									
67.3 147.0 20630.7 50.0 -58.1 59.9 288.0 3.9 3.7 -1.2 506.6 999.9 99.9 99.9 79.6					-58.9			26.6	_	-3.4							
			18100+4		-60.9												
80.7 162.0 25091.9 25.0 +50.1 99.9 63.6 10.0 +8.9 +4.4 640.6 999.9 99.9 99.9 80.9	67.3																
	80.7	162.0	25091.9	25.0	-50.1	69.9	63.6	10.0	-8.9	-4.4	640.6	999.9	99.9	999.9	80.9	111.	

<sup>\*</sup> EV SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMF MEANS TEMPERATURE OR TIME HAVE BEEN INTERFOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 486 FORT TOTTEN. N Y

1115 GMT 162 14. 0

TIME	CNTCT	HE I GHT	PRES	TEMP	CEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	, M/SEC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	4.9	8.0	1009.5	14.4	13.0	999.9	99.9	99.9	59.9	288.0	312.0	9.4	91.0	999.9	999.
0.4	5.6	88.5	1000.0	15.0	13.1	999.9	99.9	99.9	99.9	289.4	314.0	9.5	88.4	999.9	999.
1.1	7. 5	302.8	975.0	13.3	12.4	999.9	99.9	99.9	99.9	289.8	313.9	9.3	93.9	999.9	999.
1.3	5.6	521.4	950.0	12.0	11.5	999.9	99.9	99.9	99.9	290.6	314.0	9.0	96.7	999. 9	999.
2.7	11.5	744.9	925.0	11.0	9.7	999.9	99.9	99.9	99.9	291.7	313.3	8.2	91.7	999. 9	999.
3.6	13.7	974.2	900.0	11.4	8.5	999.9	99.9	99.9	99.9	294.3	315.0	7.8	82.2	999. 9	999.
4.5	15.8	1210.0	875.0	10.7	7.7	999.9	99.9	99.9	99.9	295.9	316.2	7.6	81.9	999. 9	999.
5.4	17.9	1451.2	850.0	8.9	7.0	999.9	99.9	99.9	99.9	296.5	316.5	7.4	88.0	999. 9	995.
6.3	20.2	1698.2	825.0	7.2	6.2	999.9	99.9	99.9	99.9	297.2	316.8	7.2	93.1	999. 9	999.
7.2	22.3	1951.3	800.0	5.6	4.5	999.9	99.9	99.9	99.9	298.0	316.1	6.7	93.1	999.9	999.
8.3	24.7	2211.0	775.0	4.5	2.7	999.9	99.9	99.9	99.9	299.4	316.0	6.0	88.4	999. 9	935.
9.2	26.8	2477.8	750.0	3.4	-0.4	999.9	99.9	99.9	99.9	30C. 9	314.8	5 • 0	76.4	999. 9	999.
10.2	29.3	2752.3	725.0	1.5	-2.5	999.9	99.9	99.9	99.9	301.7	314.2	4.4	74.8	999. 3	999.
11.2	31.5	3034.4	700.0	-0.2	-4.1	999.9	99.9	99.9	<b>99.9</b>	302.7	314.3	4.1	75.3	999. 9	999.
12.2	34.3	3325.4	675.0	-1.0	-11.0	999.9	99.9	99.9	99.9	304.9	312.2	2.5	46.5	999.9	999.
13.3	36.7	3625.9	650.0	-2.4	-15.7	999.9	99.9	99.9	99.9	306.4	311.7	1.07.	35. 2	999.9	995.
14.7	39.4	3936.2	625.0	-4.4	-21.0	999.9	99.9	99.9	99.9	307.6	311.2	1.1	25.9	999.9	330.
15.5	41.9	4256.0	600.0	-6.5	-41.9	999.9	99.9	99.9	99.9	308.6	309.2	0.2	4.5	999.9	999.
16.6	44.8	4586.9	575.0	-9-1	-43.0	999.9	99.9	99.9	99.9	309.3	309.8	0.1	4.4	999.9	999.
17.9	47.7	4929.3	550.0	-11.5	-44.3	999.9	99.9	99.9	99.9	310.5	311.0	0.1	4.6	999. 9	999.
19.0	50.5	5284.5	525.0	-13.3	-45.3	999.9	99.9	99.9	99.9	312.4	312.8	0.1	4.8	999. 9	999.
20.3	53.5	5654.2	500.0	-15.8	-26.2	999.9	99.9	90.9	99.9	313.8	316.7	0.9	40.6	999.9	999.
21.5	56.4	6639.0	475.0	-18.2	-36.3	999.9	99.9	99.9	99.9	315.5	317.3	0.5	28.6	999. 9	799.
22.9	55.7	6442.0	450.0	-19.7	-62.4	995.9	99.9	99.9	99.9	318.4	318.5	0.0	1.0	999.9	999.
24.3	63.0	6965.3	425.0	-21.5	-63.6	999.9	99.9	99.9	99.9	321.3	321.4	G • O	1.0	999. 3	994.
25.9	66.3	7309.4	400.0	-24.8	-65.8	999.9	99.9	99.9	99.9	322.7	322.7	0.0	1.6	999.9	999.
27.7	70.0	7774.8	375.0	-28.9	-68.5	999.9	99.9	99.9	99.9	323.2	323.2	0.0	1.0	999.9	999.
29.3	73.5	8264.4	350.0	-33.1	-71.2	999.9	99.9	99.9	99.9	324.0	324 . 1	0.0	1.0	999. 9	999.
30.9	77.5	8780.5	325.0	-37.6	-74.2	999.9	99.9	99.9	99.9	324.7	324.8	0.0	1.0	999. 9	999.
32.9	e1.5	9327.7	300.0	-41.7	99.3	999.9	99.9	99.9	99.9	326.6	999.9	99.9	999.9	999. 9	999.
34.8	85.8	9913.4	275.0	-44.9	99.9	999.9	99.9	99.9	99.9	330.2	999.9	99.9	999.9	999.9	999.
36.9	90.4	10543.1	250.0	-50.2	99.9	999.9	99.9	99.9	99.9	331.4	999.9	99.9	999.9	999. 9	999.
39.1	95.3	11221.8	225.0	-56.2	99.9	999.9	99.9	99.9	99.9	332.4	999.9	99.9	999.9	9 <b>99</b> • 9	999.
41.3	100.5	11963.2	200.0	-60.3	99.9	999.9	99.9	99.9	99.9	337.3	99969	99.9 .	999.9	999.9	999.
43.7	106.3	12785.0	175.0	-66-1	99.9	999.9	99.9	99.9	99.9	340.9	999.9	99.9	999.9	999. 9	994.
47.0	112.5	13729.2	150.0	-61.7	99.9	<b>999.</b> 9	99.9	99.9	99.9	363.8	999.9	99.9	599 <b>.</b> 9	999. 9	995.
50.9	120.3	14862.4	125.0	-59.2	99.9	999.9	99.9	99.9	99.9	387.8	999.9	99.9	999.9	999.9	999.
55.8	128.3	16281.2	100.0	-55.6	99.9	999.9	99.9	99.9	99.9	420.3	999.9	99.9	999.9	999. 9	999.
62.1	136.0	18097.8	75.0	-6006	99.9	999.9	99.9	99.9	99.9	445.9	999.9	99.9	999.9	999.9	995.
69.8	148.3	20634-8	50.0	-57.6	99.9	999.9	99.9	99.9	99.9	507.8	999.9	99.9	999.9	999.9	9393
81.4	160.0	25062-1	25.0	-52.6	99.9	999.3	99.9	99.9	59.9	633.3	999.9	99.9	999.9	999. 9	999.

<sup>\*</sup> BY SPEEC HEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 518 ALBANY, N Y

25 APRIL 1975 1115 GMT ANGLES ON THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

165 24. 1

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V COMP	POT T	E POT T	MX RTO	RH	RANGE	ÁZ	
MIN		GFW	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	5.7	86.0	1002.9	9.0	6.6	350.0	4.2	0.7	-4.1	282.7	298.4	6.1	85.0	C. 0	0.	
061	5. 6	110.1	1000.0	8.7	6.5	334.5	2.4	1.0	-2.2	282.7	298.3	6.1	86.1	0. 1	36.	
0.9	7.6	319.3	975.0	7.4	6.3	292.4	1.7	1.6	-0.7	283.4	299.2	6.1	92.5	0.3	132.	
1.7	10.0	£32+5	950.0	5.2	4.6	358.0	6.5	0.2	~6·5	283.2	297.7	5.6	95,4	0.5	149.	
. 2.6	12.4	750.3	925.0	3.7	3.0	322.3	6.4	3.9	-5.1	283.7	297.1	5.2	95.6	0.8	154.	
3.5	14.8	972+5	900.0	2.4	1.6	320.5	8.1	5.2	~6. 3	284.6	297.3	4.8.	95.5	1.2	1500	
4.5	17.3	1200.4	875.0	2.1	-0.8	323.8	8.6	5.1	-7.0	286.6	297.9	4.3	83.2		147.	
5.3	19.7	1434.7	850.0	3.0	-14.6	331.6	10.0	4.7	-8. A	289.4	293.6	1.4	26.1	. 5• 5	147.	
6.4	22.2	1677.7	825.0	4.9	-20.1	316.0	6, 5	4.5	-4.6	293.9	296.8	0.9	14.2		148.	
7.2	24.8	1928.1	800.0	4.5	-33.6	308.5	9.9	7.7	-6.1	296.0	296.9	0.3	4.2		146.	
8.4	27.4	2186.4	775.0	4.6	-47.1	308.7	9.6	7.5	-6.0	298•8	299.0	0.1	1.0		142.	
9.4	30.2	2452.8	750.0	3. 9	-47.5	308.7	9.1	7.1	<del>-</del> 5∙7	300.8	301.0	0.1	1.0	4. 3	141.	
10.6	33.0	2727.2	725.0	2.7	-48.3	298.7	9.0	7.9	-4.3	302•4	302.6	0.1	1.0		136.	
11.7	35. 8	3010.0	700.0	0.9	-37.6	294.3	9.4	8.6	- 3. 9	303.5	304.2	0.2	3.6	¹ 5.5	136.	
12.9	3€• €	3300.7	675.0	-1.6	-38.8	288.4	9.2	8.7	-2.9	303.9	304.5	0.2	3.9	6. 1	133.	
16.1	41.3	3599.8	650.0	-4.0	-39.9	294.4	9.2	8.4	-3.8	304.5	305.1	0.2	4.1	6.7	131.	
15.4	44.3	3908-1	625.0	-6.2	-32.9	291.8	10.3	9.6	-3. 8	305.3	306.6	0.4	9.9	7.4	130.	
16.7	47.4	4225.4	600.0	-9.2	-35.0	283.3	11.1	10.8	-2.6	305.4	306.5	0.3	10.2	8. 2	127.	
18.0	50.3	4553+5	575.0	-10.5	-35.8	280.5	12.2	12.0	-2.2	307.7	308.8	0.3	10.3		125.	
19.5	53.5	4895.1	550.0	-12.0	-36.9	284.8	13.9	13.5	-3.6	309.8	310.8	0.3	10.4	10.1	122.	
20.7	56.6	5249.9	525.0	-14-7	-38.8	279.6	15.0	14.8	-2.5	310.8	311.6	0.2	10.7		121.	
55.5	60.0	5617.1	500.0	-16.3	-33.0	276.7	16.3	16.2	-1.9	313.2	314.8	0.5	21.9	12.4	110.	
23.5	63.5	6000.7	475.0	-19-6	-32.4	275.7	16.4	16.3	-1.6	313.7	315.5	0.5	31.1	13.7	116.	
25.2	66.9	6399.4	450.0	-23.5	-32.8	269.3	15.9	15.9	0.2	313.7	315.5	0.5	42.1	15.2	114.	
25.9	70.4	6814.9	425.0	-26.9	-36.0	263.1	18.8	18.6	2, 3	314.5	315.9	0.4	41.5	16.7	111.	
28.8	74.2	7249.4	400.0	-29.7	-37.6	270.9	21.0	21.0	-0.3	316.3	317.6	0.4	45.9	16.7	108.	
30.8	78.2	7706.9	375.0	-32.6	-50-1	272.2	26.5	26.4	-1.0	310.3	318.7	0 • 1	16.0	21.4	196.	
32.6	82.0	8189.1	350.0	-36.8	-54.8	263.0	27.7	27.5	3.4	319.1	319.3	0.1	13.3	24.6	104.	
34.7	86.0	8697.7	325.0	-41.0	99.9	267.0	28.1	28.1	1.2	320.2	999 <b>.9</b>	99.9	999.9	27. 7	101.	
36.7	90.3	9238.4	300.0	-43.9	99.9	280.2	35.9	35.4	-6.4	323.5	999•9	99.9	999.9		101.	
38.5	94.8	9820.1	275.0	-46.0	99.9	291.5	49-4	45.9	-18.1	328.6	999.9	99.9	999.9	36.1	101.	
40.5	99.7	10447.2	250.0	-51.0	99.9	295.9	65.1	58 <b>. 5</b>	-28.4	330.2	999.9	99.9	999.9	42. 9	103.	
42.7	104.8	11123.1	225.0	-57-1	99.9	295.2	76.9	69.5	-32.7	331.0	999.9	99.9	999.9		105.	
45.4	110.3	11860.7	200.0	-60.9	99.9	300.5	68.5*	59.1	-34.8	336.3	999.9	99. 9	999,9	63. 9	198.	
48.4	116.0	12684.9	175.0	-62.3	99.9	284.7	36.7*	37.5	-9.8	347.1	999.9	99.9	999.9	73.7	109.	
52.0	122.8	13654.2	150.0	-58.1	99.9	277.6	32.2*	31.9	-4.2	370.0	599.9	99.9	999.9	60.4	109.	
55+6	130.0	14807.1	125.0	-56.6	99.9	271.2	27.1*	27.1	-0.6	392.6	999.9	99•9	999.9		107.	
60.5	138.0	16236.7	100.0	-54-1	99.9	255.7	15.0+	14.5	3.7	423.1	999.9	99.9	999.9		106.	
66.3	146.5	18066.8	75.0	-61.0	99.9	299.5	9.3*	8.1	-4.6	445.1	999.9	99.9	99 9• 9	96.3	105.	
74.2	156.7	20615.5	50.0	-57.0	99.9	203.4	2.1	0.8	1.9	509.2	999.9	99.9	999.9		106.	
86.5	168.5	25065.9	25.0	-51.9	99.9	999.9	99.9	99.9	99.9	635.8	999.9	99.9	999.9	999.9	999,	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP HEARS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 520 PITTSBURG. PA

25 APRIL 1975 1130 GMT

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	TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	8H	RANGE		
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	K4	nG	
	0.0	7.5	359.0	971.0	8.8	8.8	140.0	1.0	-0.6	0.8	285.3	304.1	7.4	100.0	0.0	0.	
	99.9	99.9	99.9	1000.0.	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	939.	
	99.9	99.9	99.9	975.0	99.9	93.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
	0.6	9.4	540.9	950.0	10.3	10-2	999.9	99.9	99.9	99.9	288.7	310.1	8.3	100.0	999.9	939.	
	1.4	11.6	764.4	925.0	11.9	11.1	999.9	99.9	99.9	99.9	292.7	316.4	9.1	94.8	999. 9	999.	
	2.1	14.1	993.7	900.0	10.6	9.7	999.9	99.9	99.9	99.9	293.5	315.7	8.4	94.1	999.3	999.	
	2.9	16.4	1228.5	875.0	9.8	9.0	258.6	3.6	3.6	0.7	295.0	317.1	8.3	95.2	0.5	7.	
	3.7	19.0	1469.2	850.0	8.6	7 • 1	260.2	6.7	6.6	1.1	296.2	316.2	7.5	90.0	0.6	23.	
૽	4.5	21.3	1715.9	825.0	6.8	4.5	268.4	8.0	8.0	0.2	296.6	314.1	6.4	85.3	0.9	49.	
	5.5	24.0	1968.1	800.0	4.7	4.1	261.7	9.4	9.3	1.4	297.0	314.5	6.4	95.4	13	63,	
	6.3	26.4	2226.4	775.0	2.3	2.3	267.2	9.4	9.4	0.5	297.1	31,3.0	5.8	99.4	1.7	68.	
	7.0	29.1	2491.2	750.0	1.0	0.7	263.9	9.5	9.4	1.0	298.4	313.3	5.4	97.9	2.2	72.	
	7.9	31.9	2763.8	725.0	0.3	-2.4	258.9	. 8.9	8.7	1.7	300.3	312.8	4.4	82.1	2.6	73,	
	8.8	34.8	3043.9	700.0	-2.9	-21.3	260.1	8.2	8.1	1.4	299.4	302.5	1.0	22.4	3. 1	74.	
	9.5	37.3	3331.8	675.0	-2.7	-28.8	263.5	8.2	8.1	0.9	302.7	304 • 4	0.5	11.5	3.5	75.	
	10.9	40.3	3631.2	650.0	-2.8	-31.9	261.7	8.9	8.0	1.3	305.8	307.1	0.4	8.4	4.1	7 <i>6</i> •	
	11.9	43.0	3940.7	625.0	-4.6	-33.1	254.5	10.2	9.8	2.7	307.2	308.4	0.4	8.6	4.7	77.	
	12.9	46.1	4260.6	600.0	-6.8	-27.7	246.4	10.5	9.7	4.2	308.3	317.4	0.7	17.2	5.3	76.	
	14.1	49.3	4591.1	575.0	-9.5	-21.3	248-1	11.9	11.1	4.5	309.0	312.8	1.2	37.2	6. 1	74.	
	15-1	52-1	4933.4	550.0	-11-1	-26.1	255.9	14.5	14.0	<b>3.</b> 5	310.9	313.6	0.8	28.0	6.9	74.	
	16.2	55.1	5289.8	525.0	-12.5	-33.7	263.0	17.1	17.0	2.1	313.4	314.8	. 0.4	15.0	8.0	75•	
	17.6	50.3	5660.3	500.0	-15.2	-44.8	262.9	16.3	16.2	2.0	314.5	315.0	0.1	€.0	9+3	76.	
	18.9	61.7	6046.4	475.0	-17.0	-39.3	251.2	16.0	15.1	. 5.2	316.9	317.8	0.3	12.6	19.6	. 76.	
	20.3	65.2	6450.0	450.0	-20.3	-32.0	254.1	17.1	16.4	4.7	317.7	319.6	0.6	34.3	11.9	76.	
	21.5	68.5	6871.0	425.0	-23.2	-28.9	264.9	20.2	20.2	1.8	319.3	322.1	0.8	59.2	13.3	75.	
	23.1	72.2	7312.1	400.0	-26.9	-31.5	265.0	22.4	22.4	2.0	320.1	322.4	0.7	64.3	15.3	78∙	
	24.6	76.1	7775.2	375.0	-29.8	-34.2	250.2	24.6	23.2	8.3	322.2	324.1	0.6	64.9	17.3	7 Be	
	26.1	80.3	8263.4	350.0	-33.6	-38.8	251.8	28.0	26.6	8.7	323.3	324.7	0.4	59.3	19.8	77.	
	27.7	84.2	8778.7	325.0	-37.7	-43.1	253.5	33.5	32.1	9. 5	324.6	325.5	0.3	56.7	22.7	76.	
	29.4	88.4	9325.7	300.0	-42.0	99.9	247.9	39.8	36.8	15.0	326.2	999.9	99.9	999.9	26.5		
	31.2	93.0	9907.6	275.0	-47.1	<b>99.</b> 9	247.5	44.1	40.8	16.6	327.0	999.9	99.9	999.9	30, 9	74.	
	33.2	57.6	10531.8	250.0	-52.4	99.9	252.6	48.4	46.2	14.4	328.3	999.9	99.9	999.9	36.8	74.	
	35.4	102-6	11204.4	225.0	-58.2	99.9	256.8	53.7	52.3	12.2	329.3	999+9	99.9	999.9	42.3	74.	
	37.9	108.2	11935.3	200.0	-64.5	99.9	260.2	55.6	54.7	9.5	330.7	999.9	99.9	999.9	51.5	74.	
	40.5	114.0	12747.4	175.0	-65.3	99.9	288.8	42.0	39.8	-13.5	342.2	999.9	99.9	<del>99</del> 9.9	58.9	77.	
	43.5	120.5	13693.3	150.0	-62-1	99.9	267.3	21.5	21.5	1.0	363.1	999•9	99.9	999.9	63.1	79.	
	47.5	127.7	14826.0	125.0	-59.5	99.9	274.1	18.2	18.1	-1.3	387.2	999.9	99.9	999.9	68.5	80.	
	52.2	135.7	16234.2	100.0	-59.0	99.9	266.2	19.8	19.8	1.3	413.7	999.9	89.9	999.9	73. 7	80.	
	58.1	143.7	18023.0	75.0	-62.0	99.9	254.2	13.0	12.5	3.5	443.0	999.9	99.9	999.9	77.6		
	65.7	153.0	20564.3	50.0	-57.7	99.9	73.5	1.8	-1.7	-0.5	507.5	999.9	99.9	999.9	79. 7	. BC•	
	77.0	163.5	24981.3	25.0	-53.3	99.9	36.0	4.5	-2.7	-3.7	631.7	999.9	99.9	999.9	70.0	30.	
					A 100 PM												

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 528 BUFFALO. N Y

## 25 APRIL 1975 1115 GMT ANGLES CN THE HALF MINUTE HAVE BEEN LINEARLY INTERPOLATED FROM WHOLE MINUTE VALUES

159 19. 1

				-	7 1 1 7 .										
TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	Ú COMP	V CCMP	PCT T	E POT T	MX RTO	RH	RANGE	ΑZ
MIN		GFM	MB	DG C	DG C	ÐG	M/SEC	M/SEC	M/SFC	DG K	DG K	GM/KG	PCT	KM	DG
0.0	.5.5	218.0	990.2	6.1	3.9	30.0	1.5	-0.7	-1.3	280.7	293.9	5. 1	86.0	0.0	9.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9 9	999.
0.3	€. 5	345.0	975.0	5.6	3.6	211.8	5.1	2.7	4.4	281.5	294.6	5. 1	87.0	0.2 2	213.
1.0	8.5	557.2	950.0	4.2	2.0	175.8	1.5	-0.1	1.5	282.0	294.1	4.7	86.0	C-1 2	510.
1.8	10.5	773.6	925.0	2.0	1.0	72.7	3.4	-3.3	-1.0	281.9	293.5	4.5	93.0	0.2 2	239.
2.5	12.4	594.3	900.0	0.3	-0.1	62.8	1.7	-1.5	-0.8	282.4	293.4	4.2	96.6	0.3 2	24 4 .
3.3	14.5	1220.1	875.0	0.3	-2.2	€.0	1.0	-0.2	-1.7	284.6	294.5	3.7	84.0	0.4 2	240.
4.1	16.5	1453.8	850.0	2.5	-10.6	7.7	1.9	-0.3	-1.9	289.0	294.7	2.0	37.6	0.4 2	224.
5.0	18.6	1.695.1	825.0	2.5	-13.5	337.8	0.8	0.3	-0.8	291.4	296.2	1.6	29.6	C+5 2	223.
5.7	20.7	1943.8	800.0	2.4	-18.1	263.8	2.1	2.1	0.2	293.8	297.2	1.1	20.3	C • 5 .2	216.
6.5	23.0	2199.9	775.0	2.5	-22.5	282.7	3.5	3.4	-0.8	296.6	299.1	0.8	13.7	G 4 1	199.
7.4	25.2	2465.3	.750.0	2.7	-22.0	301.5	3.5	3.0	-1.8	299.6	302.3	0.9	14.2	0.5 1	180.
8.4	27.5	2738.7	725.0	1.4	-22.9	286.9	5.0	4.8	-1.5	301.1	303.7	0.8	14.3	0.6 1	162.
9.3	29. 7	3020.4	700.0	0.4	-23.6	272.3	7.3	7.3	-0.3	303.0	305.6	0.8	14.4	0.8 1	142.
10.2	32.3	3311.1	675.0	-1.5	-25.0	262.3	7.9	7.8	1.1	304.1	306.5	0.7	14.5	1.2 1	121.
11.3	34.9	3610.5	650.0	-3.6	-22.5	263.4	8.7	8.6	1.0	305.0	308.0	1.0	21.5	1.6 1	110.
12.3	37.2	3918.9	625.0	-5.9	-24.6	267.0	10.5	10.5	0.6	305.8	368.4	0.8	21.0	2.1 1	103.
13.3	4C. 0	<b>4237.3</b>	600.0	-7.8	-26.8	268.3	11.9	11.9	0.4	307.2	309.4	0.7	19.9		99.
14.5	42.5	456.6+5	575.0	-10-6	-26.7	267.1	12.8	12.8	0.6	307.6	310.0	0.7	25.1	3. 7	97.
15.5	45.4	4906.8	550.0	-13.2	-25.2	262.7	14.7	14.6	1.9	308.6	311.4	0.9	35.4	405	95•
16.7	48.4	5259.3	525.0	-16.0	-26.8	255.0	14.6	14.1	3• 8	309.3	311.9	0.8	- 38.7	5.5	65.
17.9	51.3	5625.4	500.0	-18.4	-26.5	252.0	13.9	13.2	4.3	310.6	313.5	0.9	49.0	6.5	89.
19.1	54.3	6006.9	475.0	-20.7	-29.0	252.5	15.0	14.3	4.5	312.4	314.8	0.7	46.9	<b>7</b> • 5	BE.
20.5	57.3	6404.2	450.0	-24.1	-30.3	258.7	16.6	16.2	3∙ 2	312.9	315.2	0.7	56.3	8.8	85.
21.9	60.7	6818.5	425.0	-27.1	-32.1	265.6	18.6	18.5	1.4	314.3	316.3	0.6	61.8	1 C. 3	84.
23.4	64.2	7253.2	400.0	-30.2	-40-2	264.7	20.8	20.7	1.9	315.7	316.8	0.3	37.2	11.9	95.
25.0	67.7	7710.7	375.0	-32.6	-50 • 1	270.1	25.0	25.0	-0.1	318.4	31807	0.1	15.5	14.1	85.
26.6	71.3	5192.5	350.0	-36.9	-50.6	277,7	31.1	30.8	-4.2	318.9	319 3	0.1	22.4	16.7	86.
28.0	75.3	8702.6	325.0	-39.3	-53.6	277.7	43-1	42.7	-5. A	322.4	322.7	0 . 1	19.9	19.9	68.
29.6	79.5	9247.1	300.0	-42.5	99.9	274.6	55.2	55.1	-4.5	325.5	999.9	99.9	999.9	24.5	90.
31.6	83.8	9928.9	275.0	-47.2	99.9	270.5	58.5	58.5	-0.5	326.8	999.9	99.9	999.9	31.4	90.
33.7	ee. 4	10453-4	250.0	-51+5	99.9	265.7	64.0	63.9	4.8	329.5	999.9	99.9	999.9	38. 9	90.
35.9	93.5	11130.7	225.0	-55.9	99.9	264.5	67.9	67.6	6.5	332.8	9999	99.9	999.9	48.0 .	P9.
38 <sub>0</sub> 3	99.0	11871.9	200.0	-60.6	99.9	277.5	65.2	64.7	-8.5	336.8	999.9	99.9	999.9	57.7	89.
40.7	10 E. 0	12699.0	175.0	-62.6	99.9	282.9	44.8	43.7	-10.0	346.6	999.9	99.5	999.9	65.6	91.
43.7	111.7	13656.3	150.0	-58.3	99.9	265.6	26.6	26.5	2.1	369.6	999.9	99. 9	999.9	70.9	91.
47.3	119.0	14805.1	125.0	-56.3	99.9	270.0	28.3	28.3	0.0	393.0	999•9	99.9	999.9		91.
51.8	127.7	16229.5	100.0	-54.3	99.9	246.1	12.8	11.7	5.2	422.8	999.9	99.9	999.9	81.9	91.
57.5	137.5	19068.6	75.0	-56.2	99.9	245.7	6.2	5.7	2.6	455.0	999.9	99.9	999.9	86. 1	90.
64.4	148.0	20629.8	50.0	-56.7	99.9	62.2	5.1	-4.5	-2.4	510.0	999.9	99.9	999.9	87.8	90.
75.0	160.0	25070.7	25.0	-50.6	99.9	65.0	8.7	-7.9	-3.7	639.1	999.9	99.9	999.9	86.6	90.

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED PEANS ELEVATION ANGLE LESS THAN 6 DEG

#### STATION NO. 532 PEORIA. ILL

25 APRIL 1975

1115 GMT 161 20. TIME CNTCT HE I GHT PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH PANGE AZ GFM. MB DG C DG C M/SEC M/SEC DG K GM/KG PCT KH DG MIN DG M/SEC DG K 200.0 990.2 281.6 294.9 5.1 79.0 0.0 ٥. 0.0 5.8 7.2 3.8 15.0 2.6 -0.7 -2.5 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 99.9 1000.0 99.9 99.9 99.9 99.9 9949 0.4 7.2 327.3 975.0 5.7 4.2 24.7 4.6 -1.9 -4.2 281.6 295.2 5.3 89.7 0.4 233. 1.1 9.5 539.8 950.0 5.3 4.9 50.2 4.8 -3.7 -3.1 283.3 298.1 5.8 97.5 0.3 219. 11.7 759.6 925.0 79.4 3.1 -3.1 -0.6 289.0 308.6 7.6 101.1 0.5 230. 1.8 8.5 8.5 900.0 243.5 0.6 291.3 311.7 7.8 101.0 0.5 236. 2.6 14.1 986.7 8.5 8.5 1 . 4 1.2 3,4 16.3 1220.0 875.0 8.1 7.7 261.5 5.6 5.5 0.8 293.2 313.3 7.6 98.2 0.4 225. 1459.5 850.0 293.8 -5.4 295.2 310.1 69.1 0.4 153. 4.4 18.9 8.0 2.6 13.3 12.1 5. 5 5.2 21.2 1706.0 825.0 7.1 3.7 305.2 13.5 11.0 -7.8 296.9 313.5 6.1 79.0 1.1 127. 23.8 1958.9 800.0 4.0 305.2 9.4 7.7 -5.4 298.1 315.7 6.4 88.6 1.6 133. 6.0 5.8 -2.4 90.1 2.1 128. 6.9 24. 2 2218.5 775.0 4.0 2.6 286.4 8.5 8.2 298.9 315.4 6.0 -0.8 313.8 85.1 2.4 124. 7.7 29.0 2484.5 750.0 2.2 -0 a 1 276.7 6.7 5.7 299.6 5. 1 299.6 2.7 119. 8.7 21.9 2757.5 725.0 -0.4 -1c4 271.2 5.6 5.6 -0.1 313.0 4.8 92.7 300.5 309 . 1 3.0 63.5 3.0 117. 9.6 34.6 3037.6 700.0 -2.1 -8.1 276.2 4.9 4.9 -0.5 10.5 37.3 3326.1 675.C -3.4 -9.9 277.9 5.4 5.3 -0.7 302.2 310.0 2.7 60.6 3.2 116. 11.6 40.3 3623.7 650.0 -5.5 -10.9 278.7 4.6 4.5 -0.7 303.1 310.6 2.6 65.6 3.6 114. 12.5 43.1 39.30 . 4 625.0 -7.8 -10.9 288.9 4.1 3.9 -1.3 303.9 311.8 2.7 78.6 3.8 113. -9.8 38.8 4.1 113. 13.5 46.3 4247.0 600.0 -24.0 285.2 7.6 7.3 -2.0 304.€ 308.5 1.2 14.7 49.4 4574.5 575.0 -11.1 -56.9 286.5 15.1 14.4 -4.3 306.9 307.1 0.0 1.0 4.9 111. -5.4 307.9 306.0 0.0 6.1 111. 15.5 52.5 4914.0 550.0 -13.6 -58.5 287.0 18.4 17.6 1.0 303.6 7.4 110. 17.0 55. 8 5265.7 525.0 -16.5 -60.4 283.6 20.2 19.6 -4.7 308.5 0.0 1.0 8.9 105. 18.2 59.0 5630.2 500.0 -19.6 -62.4 279.2 21.7 21.4 -3.5 309.1 309.2 0.0 1.0 10.7 106. 19.6 6008.7 475.0 -23.1 -64.7 274.9 21.9 21.9 -1.9 309.3 309.4 0.0 1.0 62.6 276.2 -2.4 310.3 310.3 0.0 1.0 12.4 105. 20.9 66. Q 6402.2 450.0 -26.2 -66.7 22.6 22.5 22.3 65.9 6813.5 425.0 -28.7 -68.3 277.0 26.3 26.2 -3.2 312.2 312.2 0.0 1.0 14.4 104. 23.7 73.7 7244.8 400.0 -31.7 -70 · 3 272.9 28.4 28.4 -1.4 313.8 313.8 0.0 1.0 16.7 103. 77.8 7698.3 375.0 -34.9 -72.4 273.5 27.8 27.7 -1.7 315.3 315.4 0.0 1.0 19.3 101. 25.2 8175.6 270.2 -0. 1 -75.0 316.4 316.4 0.0 1.0 21.9 100. 26.8 81.8 350 · C -38.7 26.7 26.7 271.2 -0.7 317.7 999.9 99.9 999.9 25.1 93. 8680.2 325.0 -42.8 99.9 32.7 32.7 28.7 **86.2** 91.0 -44.6 266.7 30 94 30.4 30.5 9217.9 300.0 99.9 1.8 322.4 999.9 99.9 999.9 28.5 98. 9795.2 275.0 -47.9 99.9 258.2 33.5 32.8 325.9 999.9 99.9 999.9 32.0 96. 32.4 95.8 6. 9 10420.6 999.9 999.9 34.6 100.8 250.0 -49.9 99.9 250.7 37.8 35.7 12.5 331.9 99.9 36.5 93. 246.1 17.4 11104.6 -53.4 99. 9 30.3 336.7 999.9 99.9 999.9 41.2 90. 36.7 106.5 225.C 42.9 39.2 39.4 112.3 11857.9 20C.0 -55.4 99.9 257.2 40.2 8.9 345.1 999.9 99.9 999.9 47.7 88. 42.4 118.5 12712.4 375.0 -54.3 99.9 260.5 34.7 34.2 5.7 360.2 999.9 99.9 999.9 54.4 86. 45.8 125.5 13689.3 150.0 -57.7 99.9 280.1 33.2 32.7 -5.8 370.0 999.9 99.9 999.9 61.9 87. -58.6 99.9 269.2 22.8 22.8 0.3 366.6 999.9 99.9 999.9 68.2 88. 49.8 133.0 14843.1 125.0 55.0 140.3 16250.6 100.0 -56.5 99.9 254.2 30.4 29.3 8.3 418.6 999.9 99.9 999.9 76.0 88. 269.4 22.6 22.6 446.2 999.9 99.9 999.9 84.7 87. 61.0 147.7 18053.8 75.0 -60.5 99.3 0.2 69.1 155.7 20614.2 50.0 -56.9 99.9 270.1 1.9 1.9 -0.0 509.4 999.9 99.9 999.9 89.5 38.

-51.5

99.9

36.0

25.0

80.6

163.3

25069.8

-4.2

-5.7

636.9

999.9

99.9

999.9

89.6

90.

7.1

<sup>+</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 553 CMAHA. NEB

159 12. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	Le C	EG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	7.3	40C+0	964.6	10.6	10.0	170.0	2.1	-0.4	2. 1	287.7	308.4	8.0	96.0	0.0	0.	
99. 9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	19.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.	
0.5	e. 5	528.7	950.0	14.3	13,3	232.4	7.7	6.1	4.7	293.1	319.7	10.2	93.8	0.2	27.	
1.3	10.5	754.8	925.0	14.0	11.9	245.9	6.7	6.2	2.8	294.9	320 - 1	9.6	87.3	0.5	47.	
2. 1	12.4	986.1	900.0	13.0	9.4	253.8	4.5	4.4	1.3	296.0	318.2	8.3	7.8 . 8	0.7	56.	
3.0	14. 5	1222.7	875.0	11.8	7.2	264.2	4.1	4.1	0.4	297.0	316.8	7.3	73.3	0.9	60.	
3.8	16.5	1465.2	850.0	11.0	-0.4	296+8	5.8	5.2	-2.6	298.2	310.5	4.4	45.4	1.1	69.	
4.8	18.7	1713.6	825.0	9.4	-2.3	303.9	7.6	6.3	-4.3	. 566.0	310.1	3.9	43.7	1.4	82.	
5.7	20.3	1967.7	800.0	7.1	-4.3	302-1	8+4	7.1	-4.5	299.1	309.0	3.5	44.0	1.7	. 31.	
6.7	2300	2227.7	775.0	4.8	-7.4	308.3	9.9	7.8	-6.1	299.3	307.5	2.8	40.8	2.2	99,	
7.7	25 <sub>e</sub> 3	2494.4	750.0	3, 3	-19.8	316.6	13.2	9.1	-9.6	300.3	303.9	1.2	18.6	2.8		
8. 9	27. 6	2768.9	725.0	3.4	-30.3	314.5	15.8	11.3	-11.1	303.2	304.6	0.4	6.4		115.	
10.0	30.0	3053.0	700.0	2.9	-31.0	316.9	17.2	11.7	-12.5	305. €	307.1	0.4	6.1		119.	
11.0	32.6	3346+5	675.0	0 • d	-32.5	320.6	18.8	11.9	-14.5	306.7	307.9	0.4	6.0		123.	
12.1	35.1	3648.3	650.0	-1.2	-31.7	316.2	18.5	12.5	-14.0	307.6	309.0	0.4	7.6		126.	
13.3	37.5	3959.9	625.0	-3+1	-35.4	316.6	17.0	11.7	-12.3	308.9	310.0	0.3	6.1		128.	
14.3	40.2	4281.7	600.0	-5.0	-36.5	310.1	16.4	12.5	-10.6	316.4	311.3	0.3	6.3		129.	
15.4	42.8	4614.6	575 • C	-7.5	-37.9	299.5	18.2	15.8	-8.9	311.3	312.1	0.2	6.6		128.	
16.6	45.7	4959.0	550.0	-9.9	-39.4	294.3	20.1	18.4	-e. 3	312.3	313.1	0.2	6.8	11.8		
17.5	48.6	5315.6	525.0	-13.1	-39.3	294.2	21.8	1.9.9	-9.0	312.7	313.5	0.2	8.8	13.4		
19.2	51.5	5665.1	500.0	-16.3	-64.5	293.8	21.6	19.8	-8.7	313.1	313.8	6.5	9.2		124.	
20.5	54.6	6068.3	475.0	-20.0	-41.8	295.6	22.1	20.0	-9.6	313.2	313.9	0.2	12.3		123.	
22.0	57.7	6466.4	450.0	-23.3	-46.1	292.6	23.8	22.0	-9.1	313.9	314.4	0 • 1	10.2		122.	
23.5	61.1	6881.5	425.0	-26.4	-48+5	292.6	27.0	25.0	-10.4	315.1	315.5	0.1	10.3		121.	
25.0	64.7	7316.7	400.0	-30.3	-50.0	297.7	27.5	24.4	-12.8	315.6	315.9	0 • 1	12.5		120.	
26.6	68.2	7772.5	375.0	-33.7	-:51 <sub>•</sub> 5:	300.8	26.7	23.0	-13.7	316.9	317.2	0.1	14.6		120.	
28.2	71 • 8	8252.6	350.0	-37.6	-54.5	301.4	29.4	25.1	-15.3	318.0	318.2	0.1	15.0		120.	
30.0	76.0	8760.0	325•ຸາ	-41.1	99.9	301.5	32.0	27.3	-16.7	320.1	999.9	99.9	999.9		120.	
31.9	<b>20•</b> 3	9298•9	300.0	-45.4	99.9	297.8	35.6	31.5	-16.6	321.4	999.9	99.9	999.9		120.	
33.8	84.6	9874.8	275.0	-48.6	99.9	292.3	42.9	39.7	-10.3	359.8	999.9	99.9	999.9		1200	
36.0	69• <b>4</b>	10496.3	250.0	-52.7	99.9	294.1	53.7	49.0	-21.9	327.8	999.9	99.9	999.9		119.	
38.4	94.6	11171.0	225.0	-56.8	99.9	296.5	61.1	54 6 7	-27.3	331.4	999.9	99.9	999.9		118.	
40.5	100.0	11909.4	200.0	-60-5	99.9	295.3	46.5*	42.0	-19.9	336.9	999.9	99.9	999.9		119.	
43.6	106.3	12734.3	175.0	-63.7	59.9	273.8	41.64	41.7	-2-8	344.8	999.9	99.9	999.9		117.	
47.1	113.0	13701.4	150.0	-57.6	99.9	201.3	33.5*	32.6	-6.5	370.9	999.9	99.9	999.9		115.	
51.0	520.7	14852.3	125.0	-58.5	99.9	282.7	25.3*	25.6	-5•8	389.1	999.9	99.9	999.9		114.	
55.4	129.5	15250.0	100-0	58.7	99.9	273.3	27.3*	27.3	-1.6	414.4	999.9	99.9	999.0		112.	
61-1	139.0	18060.7	75 <sub>9</sub> 0	-59.5	99.9	169.2	11.6*	-2.2	11.4	448.3	599.9	99.9	999.9		111.	
69.0	149.0	20620.9	50.0	-53.2	99.9	18.8	3.8	-1.2	-3.6	518.2	999.9	99.9	99.9. 9	99.7		
81.2	159.7	25107.3	25.0	-52.0	99.9	55.6	9.4	-7.8	⇔5• 3	635.6	999.9	99.9	999.9	95.6	112.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* EY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 562 NORTH PLATTE, NEG

25 APRIL 1975

TIME	CNTCT	HE I GHT	PRES	TEMP	DEW PT	DIR	SPEED	. U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANGE	AZ	
MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	DG	
0.0	13.4	847.0	913.6	3.3	1.3	110.0	3.2	-3.0	1.1	284.3	296 • 4	4.6	87.0	0.0	0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99 9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	995.	
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	997.9	99.9	999.9	999. 9	999.	
99.9	99.9	99.9	925.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	997.	
0.4	14.6	970.8	900.0	9.1	4.7	246.7	2.9	2.7	1.2	291.7	307.7	6.0	73.9	0.6	297.	
1.1	16.€	1206.0	875.0	11.7	7.1	182.3	6.3	0.3	6.3	296.9	316.5	7.2	73.2		310.	
2.1	19.2	1449.0	850.0	12.0	6.1	188.5	10.9	1.6	10.B	299.6	318.7	7.0	67.2	1.0	334.	
2.9	21.5	1699.9	825.0	11-î	0.8	186.9	11.9	1.4	11.8	301.0	315.0	. 5,0	49.5	1.6		
3.9	23.9	1955-2	800.0	10.0	-6.2	178.2	10.1	-0.3	10.1	302.3	311.0	3.0	31.3			
4.7	26.1	2218.1	775.0	8.3	-8.1	181.2	9.3	0.2	9.3	303.0	310.9	2.7	30.4		353.	
5.6	28.3	2489.0	750.0	S.0	-10.9	194.4	7.7	1.9	7.4	306.6	313.3	2.2	23.3	3. 1		
6.6	31.4	2768.8	725.0	7.2	-10.5	210.3	9.6	4.9	8.3	307.7	314.8	2.4	27.0	3.6	35 8•	
7.6	34 - 1	3056.0	700.0	4.6	-8.7	218.7	10.5	6.8	8.4	308.0	316.5	2.8	37.3	4.0	. 4 .	
8.5	36.5	3351.0	675.C	2.0	-7.3	222.5	11.9	8.1	8.8	308.3	318.1	3 <b>. 3</b>	50.2	4, 6	9.	
9.5	39.3	3654.5	650.0	0.2	-11.0	227.4	10.6	7.8	7.2	309.5	317.2	2.5	42.7	5.2	13.	
10.6	41.9	3967.5	625.0	-2.3	-12.3	224.0	10.2	7.1	7.4	310.1	317.3	2.4	46.1	5 € 7		
11.7	44.7	4290.4	600.0	-5.0	-15.7	219.6	9.8	6.3	7.6	310.5	316.3	1.9	42.6	6.3	19.	
12.8	47.7	1.E58#	575.0	-8.0	-15.9	218.3	9.7	6.0	7.6	310.8	316.7	1.9	53.2	6.9	21.	
14.1	50.6	4966.4	550.0	-11.4	-19.0	219.7	9.2	5.9	7. 1	310.7	315.5	1.5	53.4	7, 6	23.	
15.2	53.6	5321.6	525.0	-13.4	-37.0	225.4	10.0	7-1	7.0	312.4	313.5	E.0	12.6	8. 2	24.	
16.5	56.5	5691.8	500.0	-15.0	-45.5	240.0	13.5	11.7	6.7	314.7	315.1	0.1	5.3	9.0	27.	
17.8	59. 9	607743	475.0	-18.2	-47.3	247.9	17.2	15.9	6.5	315.4	315.8	0.1	5.7	10.0	31.	
19.0	63.2	6478.9	450.0	-21.1	-49.0	250.1	18.9	17.8	6.4	316.7	317.1	0.1	6.0	11.0	35.	
20.3	66.4	6895.1	425.0	-24.4	-51.0	255.7	18.8	18.2	4.6	317.7	318.0	0.1	6.4	12.2	39.	
21.7	70.1	7336.4	400.0	-28.2	-53.3	253.7	20.2	19.4	5.7	318.3	318.6	0.1	6.8	13.6	. 44.	
23-1	73.6	7796.0	375.0	-32.0	-54.3	252.5	22.3	21.3	6.7	319.2	319.4	0.1	8.8	15. 2	47.	
24.7	77.4	8279.8	350.0	-35.9	-45.6	254.0	24.4	23.4	6.7	320.3	320.9	0.2	36.1	17.1	50.	
26.4	81.3	8790+2	325.0	-40-1	99.9	256.B	24.7	24.0	5. 6	321.3	999.9	99.9	999.9	19. 6	53.	
28.4	£5.4	9331.3	300.0	-44.4	99.9	257.7	28-1	27.5	6.0	322.8	999.9	99.9	999.9	22. 3	56.	
30.4	89.8	9908.0	275.0	-49.4	99.9	258.9	31.3	30.7	ۥ0	323.7	999.9	99.9	999.9	25. 7	6 C •	
32.4	94.5	10526.9	250.0	~53 <sub>e</sub> 6	99.9	263.6	34.9	34.7	3.9	326.4	999.9	99.9	999.9	29. 4	62.	
34.8	99.3	11197.2	225.C	-58.0	99.9	265.1	38.0	37.9	- 3• 2	329.6	999.9	99.9	999.9	34.5	56.	
37.3	104.5	11932.1	200.0	-62.2	99.9	269.B	38 6 3	38•3	0.1	334.3	999.9	99.9	999•9	40.0	69.	
39.8	110.2	12751.2	175.0	-65,2	99.9	266.4	26.2	26.1	1.7	342.4	999.9	99.9	999•9	44.6	71.	
42.8	116.3	13704.0	150.0	-56.4	99.9	272.1	22.1	22.1	-0.8	372.9	999.9	99.9	999.9	48.9	72.	
46.2	123.3	14949.8	125.0	-60.3	99.9	266.2	18.1	18.0	1.2	385.8	999.9	99. 9	999.9	52• 1	74.	
50.6	130 . F	16244.1	100.0	-57.9	59.9	253,8	20.6	19.7	5.7	416.0	999.9	99.9	999.9	57.1	74.	
56. 2	138.3	18060.2	75.0	-59.6	99.9	280.5	9.8	9.6	-1.8	448.1	999.9	99.9	999.9	62.8	75.	
63.8	146. J	20639.5	50.0	-56.7	99.9	275.4	7.1	7.1	-0.7	510.1	999.9	99.9	999.9	66. 4	75.	
74.7	154.3	25126.2	25.0	-51.3	<b>59.</b> 5	39.8	4.5	-2.9	-3,5	637.7	999.9	99.9	999.9	68. 1	77.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 606 PORTLAND. ME

25 APRIL 1975

			•				1115 G	MT					1	47 49	• 0
TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH ·	RANGE	AZ
MIN		GPM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SE C	DG K	DG K	GM/KG	PCT	KM	อิต
0.0	5.6	20.0	1008.2	6.1	5.7	360.0	0.5	0.0	-0.5	279.3	293.8	5.7	97.0	0.0	0.
0.2	6.2	86.9	1000-0	. 5.2	3.8	26.2	7.05	-3.3	−6+8	279.0	291.8	5.1	91.1	0.0	1.00.
0.8	€.5	294.0	975.0	5.5	4.7	20.0	6.9	-2.4	-6.5	281.4	295.5	5.5	94.1		199.
1.5	10.6	507.3	950.0	6.3	5 • 2	0.0	8.2	-0.0	-8•2	284.4	299.5	5.9	92.4		193.
2.3	12.9	726.0	925.0	5.8	4.3	347.1	7.4	1.6	-7.2	285.9	300.7	5,7	90.5		185.
3.1	15.2	951.2	900.0	6.3	5 • 5	305.0	3 • 2	2.7	-1.9	288.9	305.5	6. J	94.5		178.
3.8	17.3	1182.3	875.0	5.8	5.0	284.5	4.3	4.2	-1-1	290.6	307.2	6.3	94.8		172.
4.5	19.8	1419.6	850.0	5.6	2.2	282.4	7.4	7.3	-1.6	292.7	307.0	5.3	79.1		150.
5.3	22.0	1663-9	825.0	5.8	-11.0	289.4	7.2	6.8	-2.4	294.9	300 • 7	2.0	28.6		149.
6.0	24.5	1915.2	800.0	4.9	-25.6	287.7	10-1	9.6	-3.1	296.4	298.3	0.6	8.8		142.
6.9	26. 9	2173.5	775.0	4.1	-28.9	277.3	10-4	10.3	-1.3	298.3	299.7	0.4	6.8		133-
7.7	29.5	2439.1	750.0	2.3	-30.0	265.8	10.2	10.2	0.7	299.1	300.4	0.4	7.0		125.
8.5	32.1	2711+6	725.0	0.6	-30.8	266.7	10.8	10.8	0.6	300.2	301.5	0.4	7.3		119.
9.5	34. 5	2992.1	700.0	-1.4	-31.3	273.3	12.5	12.5	-0.7	301.0	302.3	0.4	8.1		114.
10.4	37. 3	3281 • 1	675.0	-2.4	-33.7	200.1	14.1	13.9	-2.5	303.0	304.1	E.0	6.8		111.
11.2	40.1	3579.8	650.0	-3.6	-34.5	263.0	14.9	14.5	-3.4	304.9	306.0	0.3	6.9		110.
12.3	42.8	3889.0	625.0	-5.0	-32.6	279.6	15.5	15.2	-2-6	306.7	308.0	0.4	9.4		109.
13.3	45.7	4208.1	600.0	-7.4	-33.5	269.0	15.4	15.4	0.3	307.5	308.8	0.4	10.3		107.
14.3	48. 6	4537.7	575.0	-10.0	-35.3	261.4	15.5	15.3	2. 3	308.3	309.4	0.3	10.5	7 • 8	
15-4	51.5	4878.6	550.0	-12.6	-37.1	267.2	16.0	16.0	0.8	309.1	310.1	Ç. 3	10.7	8. 8	
16.5	54.7	5231.9	525.0	-15.3	-39.0	272.1	16.1	16.1	-0.6	310.1	310.9	0.2	11.0		100.
17.9	57.7	5599.0	50000	-17.2	-37.7	274.8	16.6	16.6	-1.4	312.1	313.1	0.3	14.9	11.2	
19.1	61.0	5981.2	475.0	-20.4	-38.6	279.6	16.9	16.6	-2.8	312.8	313.7	0.3	17.7	12-4	
20.4	64.3	6379.9	450.0	-22.4	-43.3	278.5	16.6	16.4	-2.5	315.1	315.7	0.2	12.7	13.7	
21.8	67.6	6797.2	425.0	-25.8	-45.9	280.5	18-1	17.8	-3. 3	315.9	316.5	0.1	13.0	15.2	
23.4	71.0	7233.5	400.0	-29.1	-40.4	272.2	17.5	17.5	-0.7	317.1	318.1	0.3	32.3	16.9	
25.1	74.8	7690.8	375.0	-33.3	-39.0	269.5	19.1	19.1	0.2	317.4	318.6	0.3	56.0	180.5	
26.7	78.6	8173.0	350.0	-36.1	-46.5	270.1	21.9	21.9	-0.1	320.0	320.6	0.2	33.2	20. 6	
28 - 5	82.5	8683.4	325.0	-40.2	99.9	271.7	22.0	22.0	-0.6	321.2	999.9	99.9	999.9	23.0	
30.7	86.5	9224.6	300.0	-44.3	99.9	271.1	26.7	26.7	-0.5	322.9	999.9	99.9	999.9	26.1	
32.9	91.0	9801.0	275.0	-49.4	99.9	265.7	26.4	26.3	2.0	323.7	990.9	99.9	999.9	29. 5	
35.3	95.7	10418.2	250.0	-54.9	99.9	260.6	27.6	27.2	4.5	324.5	999.9	99.9	999.9	33.4	
38.0	100.7	11089.0	225.0	-56.0	99.9	265.6	32.0	31.9	2.5	332.7	999.9	99.9	999.9	37.9	
41.0	106.0	11835.1	200.0	-57.9	99.9	275-1	39.6	39.5	-3.5	341.1	999.9	99.9	999.9	44. 7	
44.3	111.8	12674.5	175.0	-57.7	99.9	274.0	35.7	35.6	-2.5	354.8	999.9	99.9	999.9	52.7	
48.3	118.3	13647-1	150.0	-57.4	99.9	, 273.6	27.7	27.6	-1.7	371-1	999.9	99.9	999.9	59. 2	
52.9	125.5	14798.4	125.0	-57.2	99.9	281.7	21.0	20.6	-4.2	391.4	999.9	99.9	999.9	65.1	
58.4	133.3	16221.9	100.6	-54.1	99.9	284.0	22.3	21.7	-5.4	423, 2	999.9	99.9	099.9	73. 6	
65.1	141.7	18061.0	75.0	-56.0	99.9	278.4	10.5	10.4	-1.5	455.5	999.9	99.9	999.9	81.1	
73.5	150.7	20631.8	50.C	-56+6	99.9	995.9	99.9	99.9	59.5	510.3	999.9	99.9	999.9	999.3	
99.9	99.9	99.9	25.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	799"

<sup>\*</sup> EY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NU. 637 FLINT. MICH

25 APRIL 1975 1115 GMT

5 GMT 161 13. 0

THE CRICT PEIGHT PRES TEMP OF DEC DG C DG C DG C DG WSEC WSEC DG K GK G CK GK G CK KM CG CK K																	
MIN   GFH   NB   DG C   DG C   DG   M/SEC   M/SEC   DG K	TIME	CNTCT	HEIGHT	PRES	TEMP	CEW PT	DIG	SPEED	U COMP	V CCMP	POT T	E POT T	MX RTO	RH	RANSE	AZ	
99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0				48	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	OG	
99.0 99.0 99.0 99.0 99.0 99.0 99.0 99.0	0-2	5.7	236.0	987-1	5.6	2.8	80.0	2.6	-2.6	-0.5	280.4	292.6	4.7	82.0	0.0	0.	
1.2							-										
1.2					•								4.6		0.1	25 7.	,
2.9 1 10.8 765.0 925.0 925.0 0.9 88.7 90.9 88.7 6.8 -0.8 -0.8 20.2 293.7 4.2 95.4 1.0 260.5 3.8 15.2 1211.5 675.0 -0.6 -0.1 80.3 6.2 -0.2 -0.1 282.0 293.7 4.2 95.4 1.0 260.5 3.8 15.2 1211.5 675.0 -0.6 -1.3 62.1 3.9 -3.8 -0.5 283.7 294.2 4.0 95.1 1.3 277.5 1.2 1.3 1.4 1.4 1.4 2.0 -2.0 -2.0 -2.1 288.5 297.6 3.4 65.8 1.4 275.5 1.5 1.9 7 1605.7 25.0 1.8 -1.1 43.4 2.0 -2.0 -2.0 -2.1 288.5 297.6 3.4 65.8 1.4 275.5 1.5 1.3 1.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5		-											4.6	86.9	9. 3	260.	
2.9						0.9	88.7	6.8	-6.8	-0.1	282.2	293.7	4.4	90.9	0.5	264.	
3.8 15.2 1211.5 675.0 -0.6 -1.3 82.1 3.9 -3.8 -0.5 283.7 294.2 4.0 95.1 1.3 277. 4.7 17.4 1445.0 850.0 1.8 -4.1 43.4 2.9 -2.0 -2.1 288.5 297.6 3.4 65.8 1.4 257. 5.6 19.7 1695.7 825.0 1.8 -13.4 302.1 1.5 1.3 -0.8 290.7 295.5 1.6 31.3 1.5 261. 6.6 21.9 1934.5 800.0 3.0 -10.1 282.6 5.1 5.0 -1.1 294.7 301.1 2.2 37.7 1.2 256. 7.5 24.3 2191.5 775.0 2.3 3 -47.9 284.0 4.9 4.8 -1.2 297.4 297.6 0.1 1.0 1.0 250. 9.5 26.5 2457.1 75.0 2.9 -48.1 288.8 6.8 6.5 -2.2 297.4 297.6 0.1 1.0 0.8 234. 9.5 29.0 2730.2 725.0 1.2 -49.2 282.0 9.0 8.8 -1.9 300.8 301.0 0.1 1.0 0.6 137. 10.5 31.5 3011.7 700.0 -0.3 -27.9 271.5 9.6 9.6 -0.2 302.2 304.2 0.6 12.4 0.8 146. 11.5 34.2 3301.1 675.0 -2.9 -21.5 270.2 8.0 8.0 -0.0 302.5 305.7 1.0 22.1 1.2 124. 12.5 36.6 3538.9 650.0 -4.8 -32.4 288.6 6.9 6.9 0.2 303.6 305.0 0.4 10.8 15.5 115. 13.7 39.3 3006.3 655.0 -6.5 -30.9 261.6 7.8 7.7 1.1 305.0 305.8 0.3 6.8 2.9 104. 14.8 41.9 423.8 600.0 -8.5 -32.7 255.8 7.5 7.3 1.8 306.3 307.6 0.4 12.0 2.4 102. 15.9 44.8 451.9 575.0 -11.5 -32.5 262.0 7.6 7.6 1.0 306.5 307.9 0.4 15.6 2.9 93. 17.1 47.8 4891.0 550.0 -14.2 -24.9 253.6 9.0 8.6 2.5 307.3 310.3 0.9 40.0 3.5 96. 19.4 79.8 4891.0 550.0 -14.2 -24.9 253.6 9.0 8.6 2.5 307.3 310.3 0.9 40.0 3.5 96. 19.7 53.6 5007.4 500.0 -19.4 -20.6 229.4 12.8 9.7 8.3 309.5 312.3 0.9 52.9 4.9 32. 23.6 6.3 364.8 450.0 -24.7 -27.9 24.8 13.0 13.6 4.8 312.2 315.0 0.8 74.6 6.8 75. 23.6 6.7 726.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 31.4 0.3 315.8 0.8 74.6 6.8 75. 23.6 6.7 726.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 31.4 0.3 315.8 0.8 74.6 6.8 75. 23.6 6.7 726.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 31.4 0.3 315.4 0.4 60.0 9.9 75.0 29.9 99.9 99.9 99.9 99.9 99.9 99.9 99		13.0	985.7	900.0	0.6	-0.1	89.3	6.2	-6.2	-C.1	282.6	293.7	4.2	95.4	1.0	2660	
5.6         19-7         1695.7         825.0         1.8         -13-4         302.1         1.5         5.0         -1-1         294.7         301.1         22         31.3         1.5         291.6         7.5         24-3         2191.5         775.0         3.3         -47.9         288.9         6.6         6.5         -2-2         297.7         300.0         0.1         1.0         1.0         25.0         8.5         26.5         24-3         2191.5         775.0         3.3         -47.9         288.9         6.6         6.5         -2-2         297.7         300.0         0.1         1.0         0.6         230.2         9.0         8.8         -1.9         300.8         301.0         0.1         1.0         0.6         177.         0.0         0.3         -27.9         271.5         9.6         9.0         8.8         -1.9         300.8         301.0         0.1         1.0         0.6         177.         1.0         2.2         1         1.0         0.6         177.         1.0         2.2         1         1.0         0.6         177.         1.1         305.0         305.0         0.4         1.0         1.0         1.0         1.0         1.0         1	3.8	15.2	1211.5	675.0	-0.6	-1.3	82.1	3.9	-3.8	-0.5	283.7	294.2	4.0	95.1	1.3	257.	, °
6.6         21.8         1934.6         800.0         3.0         -10.1         202.6         5.1         5.0         -1.1         204.7         301.1         2.2         37.7         1.2 256.           7.5         24.3         2191.5         775.0         3.3         -4.7         208.0         4.9         4.8         -1.2         207.4         297.6         0.1         1.0         1.0         0.8         23.6           9.5         29.0         2730.2         725.0         1.2         -49.2         202.0         9.0         8.8         -1.9         300.8         301.0         0.1         1.0         0.6         23.6           10.5         31.5         3011.1         770.0         -0.3         -27.9         271.5         9.6         -0.2         302.2         30.0         0.1         1.0         0.6         12.4         0.6         1.0         302.5         303.7         1.0         22.1         1.0         1.6         1.2         1.2         2.3         2.0         1.0         8.0         0.0         302.5         303.7         1.0         2.2         1.1         2.2         2.0         2.0         2.0         2.0         2.0         2.0 <t< td=""><td>4.7</td><td>17.4</td><td>1445.0</td><td>850.0</td><td>1.8</td><td>-4-1</td><td>43.4</td><td>2.9</td><td>-2.0</td><td>-2.1</td><td>288.5</td><td>297.6</td><td>3.4</td><td>65.8</td><td>1+4</td><td>253.</td><td>,</td></t<>	4.7	17.4	1445.0	850.0	1.8	-4-1	43.4	2.9	-2.0	-2.1	288.5	297.6	3.4	65.8	1+4	253.	,
7.5 24.3 2191.5 775.0 3.3 -47.9 244.0 4.9 4.8 -1.2 297.4 297.6 0.1 1.0 1.0 230.6 5.5 26.5 2457.1 750.0 2.9 -48.1 288.3 6.6 6.6 5.5 -2.2 299.7 300.0 0.1 1.0 0.6 236.9 5.9 29.3 2730.2 725.0 1.2 -49.2 282.0 9.0 8.8 -1.9 300.8 301.0 0.1 1.0 0.6 177. 10.5 31.5 3011.7 700.0 -0.3 -27.9 271.5 9.6 6.6 -0.2 302.2 304.2 0.6 12.4 0.8 16.5 11.5 34.2 3301.1 675.0 -2.9 -21.5 270.2 8.0 8.0 -0.0 302.5 305.7 1.0 22.1 1.2 124.1 12.5 36.6 3598.9 650.0 -4.8 -32.4 288.4 6.9 6.9 0.2 303.6 305.0 0.4 10.8 1.5 11.5 11.5 11.5 11.5 11.5 11.5 11.	. 5.6	19.7	1695.7	825.0	1.8	-13.4	302.1	1.5	1.3	-0.8	290.7	295.5	1.6	31.3	1.5	201.	,
9.5 26.5 2457.1 750.0 2.9 -48.1 288.9 6.8 6.5 -2.2 299.7 300.0 0.1 1.0 0.8 234.9.5 29.0 2730.2 725.0 1.2 -49.2 282.0 9.0 8.8 -1.9 300.8 301.0 0.1 1.0 0.6 107.1 10.5 31.6 3011.7 700.0 -0.3 -27.9 271.5 9.6 9.6 -0.2 302.2 304.2 0.6 12.4 0.8 146.1 1.5 34.2 3301.1 675.0 -2.9 -21.5 270.2 8.0 8.0 -0.0 302.5 305.7 1.0 22.1 1.2 124.1 12.5 36.6 359.6 9.5 0.0 -4.8 -32.4 261.4 6.9 6.9 0.2 303.6 305.0 0.4 10.8 11.5 115.1 11.5 34.2 300.8 300.6 3625.0 -6.5 -30.9 261.6 7.8 7.7 1.1 305.0 305.8 0.3 6.8 2.9 110.4 11.6 11.5 11.5 11.5 11.6 11.6 11.5 11.5	6.6	21.5	1934.5	800.0	3.0	-10.1	282.6	5.1	5.0	-1.1	294.7	301.1	2.2	37.7			
9.5 20.0 2730.2 725.0 1.2 -49.2 282.0 9.0 8.8 -1.9 300.8 301.0 0.1 1.0 0.6 137. 10.5 31.5 3011.7 700.0 -0.3 -27.9 271.5 9.6 9.6 -0.2 302.2 304.2 0.6 12.4 0.8 146. 11.5 34.2 3301.1 675.0 -2.9 -21.5 270.2 8.0 8.0 -0.0 302.5 305.7 1.0 22.1 1.2 124. 12.5 36.6 3598.9 650.0 -4.8 -32.4 268.4 6.9 6.9 0.2 303.6 305.0 0.4 10.8 1.5 115. 13.7 30.3 3906.3 625.0 -6.5 -36.9 261.6 7.8 7.7 1.1 305.0 305.8 0.3 6.8 2.9 1104. 14.8 41.9 4223.8 600.0 -8.5 -32.7 255.8 7.5 7.3 1.8 306.3 307.6 0.4 12.0 2.4 102. 15.9 44.9 4459.5 4551.9 575.0 -11.5 -32.5 262.6 7.6 7.6 1.0 306.5 307.9 0.4 15.6 2.9 98. 17.1 47.8 4891.0 550.0 -14.2 -24.9 253.6 9.0 8.6 2.5 307.3 310.3 0.9 40.0 3.5 96. 18.4 50.6 522.4 525.0 -16.6 -28.0 231.8 11.0 8.6 6.8 308.5 310.9 0.7 36.2 4.1 89. 19.7 53.6 5007.4 500.0 -19.4 -26.6 229.4 12.8 9.7 8.3 309.5 312.3 0.9 52.9 4.9 82. 20.9 50.6 5980.3 475.0 -22.6 -27.3 238.1 13.7 11.6 7.2 310.0 312.8 0.8 65.5 5.8 77. 22.2 50.9 6381.6 450.0 -28.5 -38.2 256.1 14.0 13.6 3.4 312.4 313.6 0.3 38.7 8.9 75. 22.1 60.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75. 22.5 70.3 7661.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 22.5 70.3 7661.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 22.5 70.3 7661.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 22.5 70.3 7661.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 22.5 70.3 7661.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 23.5 78.0 8674.3 325.0 -36.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76. 31.1 22.0 920.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 999.9 99.9 99.9 99.9 99.9 99.9 99.9	7.5	24.3	2191.5	775.0	3.3	-47.9	284.0	4.9	4.8	-1.2	297.4		0.1				
10.5 31.6 3011.7 700.0 -0.3 -27.0 271.5 9.6 9.6 -0.2 302.2 304.2 0.6 12.4 0.8 14.6. 11.5 34.2 3301.1 675.0 -2.9 -21.5 270.2 8.0 8.0 -0.0 302.5 305.7 1.0 22.1 1.2 124. 12.5 36.6 3538.9 650.0 -4.8 -32.4 268.4 6.9 6.9 0.2 303.6 305.0 0.4 10.8 1.5 115. 13.7 30.3 3906.3 625.0 -6.5 -30.9 261.6 7.8 7.7 1.1 305.0 305.8 0.3 6.8 2.9 110. 14.8 41.9 422.8 600.0 -8.5 -32.7 255.8 7.5 7.3 1.8 306.3 307.0 0.4 12.0 2.4 110.2 15.9 4.1 5.5 9.4 5.5 1.0 22.4 10.2 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	9.5	26.5	2457.1	750.0	2.9	-48.1	288.3	6.8	6.5	-2.2	299.7	300.0	0.1				
11.5 34.2 3301.1 675.0 -2.9 -21.5 270.2 8.0	9.5	29.0	2730.2	725.0	1.2	-49.2	282.0	. 9.0	8.8	-1.9	300.8	301.0	0.1				
12.5 36.6 3598.9 650.0 -4.6 -32.4 268.4 6.9 6.9 0.2 303.6 305.0 0.4 10.8 1.5 115.17. 393.3 30306.3 625.0 -6.5 -36.0 261.6 7.8 7.7 1.1 305.0 305.8 0.3 6.8 2.9 10d. 13.7 393.3 30306.3 625.0 -8.5 -32.7 255.8 7.5 7.3 1.8 306.3 307.6 0.4 12.0 2.4 102.5 15.9 44.8 4551.9 575.0 -11.5 -32.5 262.0 7.6 7.6 1.0 306.5 307.9 0.4 15.6 2.9 98. 17.1 47.8 4891.0 550.0 -14.2 -24.9 253.6 9.0 8.6 2.5 307.3 310.3 0.9 40.0 3.5 96. 18.4 50.6 5242.4 525.0 -16.6 -28.0 231.8 11.0 8.6 6.8 308.5 310.9 0.7 36.2 4.1 89. 19.7 23.6 5607.4 500.0 -19.4 -26.6 229.4 12.8 9.7 8.3 309.5 312.3 0.9 5.2 4.1 89. 20.9 56.6 5086.3 475.0 -22.6 -27.3 238.1 13.7 11.6 7.2 310.0 312.8 0.8 65.5 5.8 77. 22.2 59.9 6381.6 450.0 -24.7 -27.9 245.8 13.9 13.0 4.8 312.2 315.0 0.8 74.6 6.8 75. 23.6 63.3 6794.6 425.0 -28.5 -38.2 256.1 14.0 13.6 3.4 312.4 313.6 0.3 38.7 8.9 75. 25.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75. 26.5 70.3 7681.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 27.9 74.0 8162.2 350.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 41.1 12.8 76. 27.5 78.9 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76. 33.2 86.3 980.6 42.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	10.5	31.5	3011.7	700.0	-0.3	-27.9	271.5	9.6	9.6	-0.2	302.2						
13.7 39.3 390c.3 625.0 -6.5 -36.9 261.6 7.8 7.7 1e1 305.0 305.8 0.3 6.8 2.9 17d. 14.8 41.9 4223.8 600.0 -8.5 -32.7 255.8 7.5 7.3 1.8 306.3 307.6 0.4 12.0 2.4 102. 15.9 44.8 4551.9 575.0 -11.5 -32.5 262.6 7.6 7.6 1.0 306.5 307.9 0.4 15.6 2.9 9.8 17.1 47.8 4891.0 550.0 -14.2 -24.9 253.6 9.0 8.6 2.5 307.3 310.3 0.9 40.0 3.5 96. 18.4 50.6 5242.4 525.0 -16.6 -28.0 231.8 11.0 8.6 6.8 308.5 310.9 0.7 36.2 4.1 89. 19.7 93.6 5007.4 500.0 -19.4 -26.6 229.4 12.8 9.7 8.3 309.5 312.3 0.9 52.9 4.9 82. 20.9 56.6 5986.3 475.0 -22.6 -27.3 238.1 13.7 11.6 7.2 310.0 312.8 0.8 65.5 5.8 7. 22.2 59.9 6381.6 450.0 -24.7 -27.9 249.8 13.9 13.0 4.8 312.2 315.0 0.8 74.6 6.8 75. 23.6 63.3 679.6 425.0 -28.5 -38.2 256.1 14.0 13.6 3.4 312.4 313.6 0.3 38.7 8.0 75. 23.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75. 27.9 74.0 816.2 350.0 -38.5 -44.7 249.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 27.9 74.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 99.9 99.9 99.9 99.9 99.9 37.6 35.4 51.2 10.3 31.2 250.0 50.0 50.0 50.0 50.0 50.0 50.0 5	11.5	34.2	3301.1	675.0	-2.9	-21.5	270.2	8.0	0.0		302.5		1.0				,
14.8 41.9 4223.8 600.0 -0.5 -32.7 255.8 7.5 7.3 1.8 306.3 307.6 0.4 12.0 2.4 102.0 15.9 44.8 4551.9 575.0 -11.5 -32.5 262.6 7.6 7.6 1.0 306.5 307.9 0.4 15.6 2.9 98.0 17.1 47.8 4891.0 550.0 -14.2 -22.9 253.6 9.0 8.6 2.5 307.3 310.3 0.9 40.0 3.5 96.0 18.4 50.6 5242.4 525.0 -16.6 -28.0 231.8 11.0 8.6 6.8 308.5 310.9 0.7 36.2 4.1 89.0 19.7 53.6 5607.4 500.0 -19.4 -26.6 229.4 12.8 9.7 8.3 309.5 312.3 0.9 52.9 4.9 82.2 50.9 56.6 5986.3 475.0 -22.6 -27.3 238.1 13.7 11.6 7.2 310.0 312.8 0.8 65.5 5.8 77.2 22.2 50.9 6381.6 450.0 -24.7 -27.9 249.8 13.0 13.0 4.8 312.2 315.0 0.8 74.6 6.8 75.2 23.6 63.3 6794.6 425.0 -28.5 -38.2 256.1 14.0 13.6 3.4 312.4 313.6 0.3 38.7 8.9 75.2 25.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75.2 25.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75.2 27.9 7.0 8162.2 350.0 -35.9 -44.3 258.6 31.0 30.4 6.2 320.3 321.0 0.2 41.1 12.8 76.2 27.9 7.0 8162.2 350.0 -35.9 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 318.8 10.8 75.3 31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 320.3 321.0 0.2 41.1 12.8 76.2 33.2 26.3 980.6 25.2 99.9 243.0 59.4 52.9 27.0 331.7 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	12.5	36.6	3598.9	650.0	-4.8	-32.4	268.4	6.9	6.9	0.2	303.6		0.4		1.5	115.	,
15.9	13.7	39. 3	3906.3	625.0	-6.5	-36.9	261.6	7 · 8	7.7	1.1	305.0		0.3				
17:1 47:8 4891:0 550:0 -14:2 -24:9 253:6 9:0 8:6 2:5 307:3 310:3 0.9 40:0 3:5 96: 18:4 50:6 5242.4 525:0 -16:6 -28:0 231:8 11:0 8:6 6:8 308:5 310:9 0.7 36:2 4:1 89: 19:7 53:6 5007.4 50:0 -19:4 -26:6 229:4 12:8 9:7 8:3 309:5 312:3 0.9 55:9 4:9 82: 20:9 56:6 5986:3 475:0 -22:6 -27:3 238:1 13:7 11:6 7.2 310:0 312:8 0.8 65:5 5:8 77. 22:2 59:9 6381:6 450:0 -24:7 -27:9 249:8 13:9 13:0 4:8 312:2 315:0 0.8 74:6 6:8 75: 23:6 63:3 679:4 40:0 -31:5 -36:6 255:2 16:3 15:7 4:1 314:0 315:4 0.3 38:7 8:9 75: 25:1 66:7 7226:4 40:0 -31:5 -36:6 255:2 16:3 15:7 4:1 314:0 315:4 0.4 60:0 9:3 75: 27:9 74:0 816:2 35:0 -35:9 -44:3 258:5 31:0 30:4 6:2 320:3 321:0 0.2 41:1 12:8 76: 29:5 78:9 8674:3 325:0 -38:5 -44:7 249:6 43:3 40:6 15:1 323:6 324:3 0.2 51:3 16:3 76: 31:1 82:0 9220:5 300:0 -41:5 99:9 241:3 52:4 40:0 25:2 326:8 99:9 99:9 99:9 99:9 21:1 73: 33:4 91:2 10436:2 250:0 -50:0 99:9 243:1 56:6 50:5 25:6 329:8 99:9 99:9 99:9 99:9 28:0 70: 35:4 91:2 10436:2 250:0 -50:0 99:9 243:1 56:6 50:5 25:6 329:8 99:9 99:9 99:9 99:9 99:9 99:9 99:9	14.8	41.9	4223.8	600.0	-8.5	-32.7	255.8	7.5	7.3	1.8	306.3	307.6	0.4	12.0			
184	15.9	44.5	4551.9	575.0	-11.5	-32.5	262.0	7.6	7.6	1.0	306.5	307.9	0.4				
19.7	17.1	47.9	4891.0	550.0	-14.2	-24.9	253.6	9.0	8.6	2.5	307.3						
20.9 56.6 598c3 475.0 -22.6 -27.3 238c1 13.7 11.6 7.2 310.0 312.8 0.6 65.5 5.8 77.  22.2 50.9 6381.6 450.0 -24.7 -27.9 249.8 13.9 13.0 4.8 312.2 315.0 0.8 74.6 6.8 75.  23.6 63.3 6794.6 425.0 -28.5 -38.2 256.1 14.0 13.6 3.4 312.2 315.0 0.8 74.6 6.8 75.  25.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75.  26.5 70.3 7681.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75.  27.9 74.0 8162.2 350.0 -35.9 -44.3 258.5 31.0 30.4 6.2 320.3 321.0 0.2 41.1 12.8 76.  27.5 78.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76.  31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 99.9 99.9 99.9 99.9 21.1 73.  33.2 86.3 9826.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 28.0 70.  35.4 91.2 10436.2 250.0 -50.0 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 37.6 96.0 1111.5 225.0 -55.9 90.9 246.9 53.7 58.6 25.0 332.8 99.9 99.9 99.9 99.9 43.6 68.40.1 101.3 11855.7 200.0 -61.2 99.9 246.9 53.7 58.6 25.0 332.8 99.9 99.9 99.9 99.9 43.6 68.40.1 101.3 11855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 99.9 99.9 99.9 99.9 53.0 69.40.1 101.3 11855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 99.9 99.9 99.9 99.9 99.9 99.9 99.	18.4	50.6	5242.4	525.0	-16.6	-28.0	231.8	11.0	8.6	6.8	308.5	310.9	0.7				
22.2 59.9 6381.6 450.0 -24.7 -27.9 249.8 13.9 13.0 4.8 312.2 315.0 0.8 74.6 6.8 75.23.6 63.3 6794.6 425.0 -28.5 -38.2 256.1 14.0 13.6 3.4 312.4 313.6 0.3 38.7 8.2 75.25.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75.26.5 70.3 76.10 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75.27.9 74.0 8162.2 350.0 -35.9 -44.3 258.5 31.0 30.4 6.2 320.3 321.0 0.2 41.1 12.8 76.29.5 78.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76.31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 99.9 99.9 99.9 99.9 99.9 21.1 73.33.2 86.3 9836.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 28.0 70.35.4 51.2 10436.2 250.0 -50.0 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 99.9 35.5 69.3 37.6 96.0 11115.7 225.0 -55.9 99.9 243.0 59.4 52.9 27.0 331.7 99.9 99.9 99.9 99.9 38.5 69.3 37.6 96.0 11115.7 225.0 -55.9 99.9 243.0 59.4 52.9 27.0 331.7 99.9 99.9 99.9 99.9 99.9 99.9 99.9 9	19.7	£3.6	5607.4	500.0	-19.4	-26.6	229.4	12.8	9.7	8.3	309.5		0.9		4.9	82.	•
23.6	20.9	56.6	5986.3	475.0	-22.6	-27.3	238.1	13.7	11.6	7.2	310.0	312.8	0.8	65.5	5.8	77.	
25.1 66.7 7226.4 400.0 -31.5 -36.6 255.2 16.3 15.7 4.1 314.0 315.4 0.4 60.0 9.3 75. 26.5 70.3 7661.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75. 27.9 74.0 8162.2 350.0 -35.9 -44.3 256.5 31.0 30.4 6.2 320.3 321.0 0.2 41.1 12.8 76. 27.5 78.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76. 31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 46.0 25.2 326.8 99.9 99.9 99.9 99.9 21.1 73. 33.2 86.3 9826.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 28.0 70. 35.4 91.2 10436.2 250.0 -50.0 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 35.5 69. 37.6 96.0 11115.7 225.0 -55.9 99.9 246.9 63.7 58.6 25.0 332.8 99.9 99.9 99.9 99.9 43.6 68. 40.1 101.3 11855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 99.9 99.9 99.9 99.9 43.6 68. 42.5 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 99.9 99.9 99.9 99.9 99.9 67.7 72. 49.7 121.3 14799.1 125.0 -57.0 99.9 273.5 28.5 28.5 -1.8 372.9 99.9 99.9 99.9 99.9 71.8 73.6 6.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 99.9 99.9 99.9 99.9 71.8 73.6 6.7 129.7 16228.7 100.0 -53.4 99.9 249.0 11.9 11.1 4.3 424.6 99.9 99.9 99.9 99.9 99.9 99.9 77.4 73.6 6.8 139.0 18062.8 75.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 99.9 99.9 99.9 99.9 85.1 74.	22.2	59.9	6381.6	450.0	-24.7	-27.9	245.8	13.9	13.0	4.8	312.2		0.8				
26.5 70.3 7681.0 375.0 -34.0 -43.2 259.6 19.9 19.6 3.6 316.5 317.3 0.2 38.8 10.8 75.  27.9 7 74.0 816.2 350.0 -35.9 -44.3 268.5 31.0 30.4 6.2 320.3 321.0 0.2 41.1 12.8 76.  29.5 78.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76.  31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 999.9 99.9 99.9 21.1 73.  33.2 86.3 9816.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 999.9 99.9 99.9 28.0 70.  35.4 91.2 10436.2 250.0 -50.0 99.9 243.1 56.6 50.5 25.6 329.8 999.9 99.9 99.9 35.5 69.  37.6 96.0 11115.7 225.0 -55.9 99.9 246.9 63.7 58.6 25.0 331.7 999.9 99.9 99.9 99.9 35.5 69.  37.6 96.0 11115.7 225.0 -55.9 99.9 246.9 63.7 58.6 25.0 332.8 999.9 99.9 99.9 99.9 43.6 68.  40.1 10.3 1855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 99.9 99.9 99.9 99.9 53.0 68.4  25.1 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 99.9 99.9 99.9 99.9 53.0 68.4  26.1 114.0 13646.1 150.0 -50.4 99.9 273.5 28.5 28.5 -1.8 372.9 99.9 99.9 99.9 99.9 71.8 73.6  49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 99.9 99.9 99.9 71.8 73.6  60.8 139.0 1806.28 75.0 -55.5 99.9 262.4 10.9 10.8 1.4 450.3 99.9 99.9 99.9 99.9 99.9 99.9 53.0 69.7 74.6  60.8 139.0 1806.28 75.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 99.9 99.9 99.9 99.9 85.1 74.	23.6	63.3	6794.6	425.0	-28.5	~38.2	256.1	14.0	13.6	3.4	312.4	313.6	0.3	38.7			
27.9' 74.0 8162.2 350.0 -35.9 -44.3 258.5 31.0 30.4 6.2 320.3 321.0 0.2 41.1 12.8 76. 27.5 78.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76. 31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 99.9 99.9 99.9 21.1 73. 33.2 86.3 9836.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 28.0 79. 35.4 51.2 10436.2 250.0 -50.0 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 35.5 69. 37.6 96.0 11115.7 225.0 -55.9 99.9 246.9 63.7 58.6 25.0 332.8 99.9 99.9 99.9 99.9 43.6 68. 40.1 101.3 11855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 99.9 99.9 99.9 99.9 53.0 68. 42.5 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 99.9 99.9 99.9 99.9 53.0 68. 46.1 114.0 13646.1 150.0 -50.4 99.9 273.5 28.5 28.5 -1.8 372.9 99.9 99.9 99.9 99.9 67.7 72. 49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 99.9 99.9 99.9 71.8 73. 54.7 129.7 16228.7 100.0 -53.4 99.9 249.0 11.9 11.1 4.3 426.6 99.9 99.9 99.9 99.9 77.4 73. 56.7 129.7 16228.7 100.0 -53.5 99.9 242.4 10.9 10.8 1.4 450.3 99.9 99.9 99.9 99.9 85.1 74.	25.1	66.7	7226.4	400.0	-31.5	-36.6	255.2	16.3	15.7	4.1	314.0	315.4	0.4	60.0	9.3	75.	
29.5 78.0 8674.3 325.0 -38.5 -44.7 249.6 43.3 40.6 15.1 323.6 324.3 0.2 51.3 16.3 76. 31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 40.0 25.2 326.8 999.9 99.9 99.9 21.1 73. 33.2 86.3 9816.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 99.9 99.9 99.9 99.9 28.0 70. 35.4 91.2 10436.2 250.0 -50.0 99.9 243.0 59.4 52.9 27.0 331.7 999.9 99.9 99.9 35.5 69. 37.6 96.0 11115.7 225.0 -55.9 99.9 246.9 63.7 58.6 25.0 332.8 999.9 99.9 99.9 99.9 43.6 68. 40.1 101.3 11855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 99.9 99.9 99.9 99.9 53.0 68. 42.5 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 99.9 99.9 99.9 99.9 53.0 68. 42.5 107.3 13646.1 150.0 -50.4 99.9 273.5 28.5 28.5 -1.8 372.9 99.9 99.9 99.9 99.9 99.9 67.7 72. 49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 999.9 99.9 99.9 71.8 73. 54.7 129.7 16228.7 10.00 -53.4 99.9 249.0 11.9 11.1 4.3 424.6 999.9 99.9 99.9 99.9 83.4 73.6 69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.	26.5	70.3	7681.0	375.0	-34.0	-43.2	259.6	19.9	19.6	3.6	316.5			36.8			,
31.1 82.0 9220.5 300.0 -41.5 99.9 241.3 52.4 46.0 25.2 326.8 999.9 99.9 99.9 21.1 73. 33.2 86.3 9826.4 275.6 -45.2 99.9 243.1 56.6 50.5 25.6 329.8 999.9 99.9 99.9 28.0 70. 35.4 61.2 10436.2 250.0 -50.0 99.9 243.0 59.4 52.9 27.0 331.7 999.9 99.9 99.9 35.5 69. 37.6 96.0 11115.7 225.0 -55.9 99.9 246.9 63.7 58.6 25.0 332.8 999.9 99.9 99.9 99.9 43.6 69. 40.1 101.3 11855.7 200.0 -61.2 99.9 246.9 63.7 58.6 25.0 332.8 999.9 99.9 99.9 99.9 53.0 68. 42.5 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 999.9 99.9 99.9 99.9 60.5 70. 46.1 114.0 13646.1 150.0 -50.4 99.9 273.5 28.5 28.5 -1.8 372.9 99.9 99.9 99.9 99.9 67.7 72. 49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 999.9 99.9 99.9 99.9 71.8 73. 60.8 139.0 18062.8 75.0 -58.5 99.9 242.4 10.9 10.8 1.4 450.3 999.9 99.9 99.9 99.9 85.1 74.	27.9	74.0	816.2.2	350,0	-35.9	-44, 3	258.5	31.0	30.4	6.2	320.3	321.0	0.2	41.1	12.8	76.	٠.
33.2	29.5	78.9	8674.3	325.0	-38.5	-44.7	249.6	43.3	40.6	15.1	323.6	324.3	0.2	51.3	16.3	76.	,
35.4	31.1	62.0	9220.5	300.0	-41.5	99•9	241.3	52.4	46.0	25.2	326.8	999.9	99.9	999.9	21+1	73.	,
37.6	33.2	26.3	9836.4	275.G	-45.2	99.9	243.1	56.6	50.5	25.6	329.8		99.9	999.9	28.0		
40.1 101.3 11855.7 200.0 -61.2 99.9 252.4 67.5 64.3 20.4 335.9 999.9 99.9 99.9 53.0 68. 42.5 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 999.9 99.9 99.9 99.9 60.5 70. 46.1 114.7 136.66.1 150.0 -56.4 99.9 273.5 28.5 28.5 -1.8 372.9 999.9 99.9 99.9 99.9 67.7 72. 49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 999.9 99.9 999.9 71.8 73. 54.7 129.7 16228.7 100.0 -53.4 99.9 249.0 11.9 11.1 4.3 424.6 999.9 99.9 99.9 77.4 73. 60.8 139.0 18062.8 75.0 -58.5 99.9 262.4 10.9 10.8 1.4 450.3 959.9 99.9 99.9 83.4 73.6 69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.	35.4	51.2	10436.2	250.0		99.3	243.0	59.4	52.9	27.0	331.7		99.9	999•9	35.5	69.	,
42.5 107.3 12676.7 175.0 -63.5 99.9 266.2 42.0 41.9 2.8 345.2 999.9 99.9 999.9 60.5 70. 46.1 114.3 13646.1 150.0 -50.4 99.9 273.5 28.5 28.5 -1.8 372.9 999.9 99.9 99.9 67.7 72. 49.7 121.3 14779.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 999.9 99.9 999.9 71.8 73. 54.7 129.7 16228.7 10.00 -63.4 99.9 249.0 11.9 11.1 4.3 424.6 999.9 99.9 999.9 77.4 73. 60.8 139.0 18062.8 75.0 -58.5 99.9 262.4 10.9 10.8 1.4 450.3 999.9 99.9 999.9 83.4 73. 69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.	37.6	96.0	11115.7	225.0	~55.9	99.9	246.9	63.7	58.6	25.0	332.8	999.9	99.9	999-9	43.6	58.	
46.1 114.0 13646.1 150.0 -50.4 99.9 273.5 28.5 28.5 -1.8 372.9 999.9 99.9 99.9 67.7 72. 49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 99.9 99.9 99.9 71.8 73. 50.7 129.7 16228.7 100.0 -53.4 99.9 249.0 11.9 11.1 4.3 424.6 999.9 99.9 99.9 77.4 73. 60.8 139.0 18062.8 75.0 -58.5 99.9 262.4 10.9 10.8 1.4 4503 99.9 99.9 99.9 83.4 73. 69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.	49.1	101.3	11855.7	200.0	-61.2	99.9	252.4	67.5	64.3	20.4	335.9	999.9	99.9	999.9	5 3 • 0	5 5 € •	,
49.7 121.3 14799.1 125.0 -57.0 99.9 259.6 23.3 22.9 4.2 391.8 999.9 99.9 999.9 71.8 73.58.7 129.7 16228.7 100.0 -53.4 99.9 249.0 11.9 11.1 4.3 424.6 999.9 99.9 99.9 77.4 73.60.8 139.0 18062.8 75.0 -58.5 99.9 262.4 10.9 10.8 1.4 450.3 999.9 99.9 99.9 83.4 73.69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.	42.5	107.3	12676.7	175.0	-63.5	99.9	266.2	42.0	41.9	2.8	345.2		99.9	999.9			i
54.7 129.7 16226.7 100.0 -53.4 99.9 249.0 11.9 11.1 4.3 424.6 999.9 99.9 99.9 77.4 73. 60.8 139.0 18062.8 75.0 -58.5 99.9 262.4 10.9 10.8 1.4 450.3 999.9 99.9 99.9 83.4 73. 69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.	46.1	114.3	13646.1			99.9	273.5				372.9		99.9				
60.8 139.0 18062.8 75.0 -58.5 99.9 262.4 10.9 10.8 1.4 450.3 959.9 99.9 99.9 83.4 73. 69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 99.9 85.1 74.						99.9		23.3		4.2							
69.7 149.3 20631.3 50.0 -55.2 99.9 126.9 4.2 -3.3 2.5 513.4 999.9 99.9 999.9 85.1 74.	54.7	129.7	16228.7	100.0	-53.4	99.9		11.9	. 11.1	4.3	424.6		99.9	999.9			
The state of the s	60.8	139.0	18062.8	75.0	-58.5			10.9			450.3		99.9				
82.4 160.0 25075.2 25.0 -52.0 99.9 44.6 1.4 -1.0 -1.0 635.1 999.9 99.9 99.9 84.1 74.																	
	82.4	16C.0	25075+2	25.0	-52.0	99.9	44.5	1.4	-1.0	-1.0	635.1	999.9	99.9	999.9	34.1	74.	•

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED.

<sup>\*\*</sup> BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

## STATION NO. 645 GREEN BAY. WIS

## 25 APRIL 1975 1115 GHT

1.7. 154 . 0 PRES TEMP DEW PT DIR SPEED U COMP V CCMP POT T E POT T MX RTO RH RANGE AZ TIME CNTCT HE I GHT GPM MB DG C M/SEC M/SEC DG K DG K GM/KG PCI KM DG MIN DG C DG M/SEC 210.0 991.2 40.0 -2.3 -2.6 278.9 291 . 1 4.8 90.0 0.0 9. 0.0 6.7 4.4 2.9 3.6 99.9 1000.0 99.9 99.9 99.9 99.9 99.9 99.9 99.9 999.9 99.9 999.9 999.9 999. 99.9 99.9 999.9 99.9 99.9 279.4 290.7 85.2 999. 9 999. 344.2 975.0 3.7 99.9 4.4 0.5 8.2 1.5 950.0 999.9 99.9 99.9 279.7 290.3 87.6 999.9 999. 10.4 554.9 2.0 0.2 99.9 4.1 1.2 75.5 7.6 -7.3 -1.9 279.7 290.0 4-0 98.2 0.8 255. 769.5 925.0 -0.2 -0.5 2.0 12.5 281.3 289.9 1.1 254. 988.5 900.0 -0.6 -3.6 65.6 9.0 -8.2 +3.7 3.3 80.7 2.7 14.9 -12.9 -3.7 1216.1 875.0 3.4 59.5 7.4 -6.4 267.5 292.1 1.6 29.0 1.5 2502 3.5 17.0 -12.4 19.5 -1.4 -3.9 289.2 294.3 32.1 1.8 247. 19.4 1450.8 850.0 2.7 4.1 1.0 4.3 1692.1 -8.4 355.8 -409 291.0 297.9 2.5 46.0 1.9 241. 825.0 4.9 0.4 5. 2 21.6 1.9 298.9 50.7 2.0 233. 1939.7 800.0 0.4 -8.5 331.6 3.9 1.9 -3.4 291.9 2.5 6.1 24.2 7.0 26.5 2194.1 775.0 -0.2 -17.4 291.5 5.1 4.7 -1.9 293.€ 298.3 1.6 32.9 1.9 228. 293.7 -3.6 296.4 296.9 0.2 3.2 1.8 216. 7.9 29.1 2456.4 750.0 -0.2 -39.7 9.0 8.2 8.9 31.7 2727.3 725.0 -1.2 -27.2 292.5 9.5 8.7 -3.6 298.2 300.0 0.6 12.3 1.8 196. 9.8 34.4 3005.6 700.0 -3.9 -12.6 292.9 .7.5 6.9 -2.9 298.5 304.6 2.1 50.9 1.9 182. 10.8 35.9 3291.9 675.0 -5.6 -8.7 268.3 7.3 6.9 -2.3 299.8 308.3 2.9 78.9 2.0 172. 3597.7 650.0 -7.2 -8.8 279.8 -1.5 301.2 310.0 3.0 88.2 2.3 160. 11.5 29.7 8.9 8.7 2.6 163 12.9 42.3 3892.4 625.0 -9.5 -10.7 278.7 9.0 8.9 -1.4 301.9 309.9 2.7 90.4 3.0 141. 13.9 4207.0 600.0 -11.5 -12.8 276.3 8.9 8.9 -1.0 303.1 310.1 2.4 90.3 45.2 14.9 4532.3 575.0 -13.4 -15.0 275.8 9.8 9.7 -1.0 304.5 310.7 2.1 87.8 3.4 133. 48.1 305.4 310.7 87.3 4.0 127. 16.1 50.9 4869.1 550.0 -15.9 -17.5 263.8 9.6 9.6 1.0 1.7 4.4 121. 17.2 54.0 5218.3 525.0 -18.3 -20.5 264.5 10e0 9.9 1.0 306.5 310.9 1.4 83.1 308.2 311.9 77.2 -23.4 271.2 -0.2 1.2 5.1 117. 16.5 56.8 5581.3 500.0 -20.5 9.8 9.8 5.8 113. 19.7 60.0 5958.6 475.0 -23.7 -27.1 268.2 11.4 11.4 0.4 308.7 311.5 0.9 73.2 6.5 110. 309.5 311.4 20.9 **63.3** 6351.5 450.0 -26.9 -31.6 265.3 11.6 11.6 1.0 0.6 64.2 22.2 66.6 6760.9 425. C -30.4 -34.1 259.6 11.8 11.6 20 L 310.1 311.7 0.5 69.7 7.4 107. 8.3 193. 23.6 70.1 7188.4 400.0 -34.5 -38.6 259.8 12.5 12,3 2.2 310.2 311.3 0.3 65.5 25. I 73.7 7636.3 375.0 -36.0 -46.2 256.0 15.4 14.9 3.7 311.2 311.8 0.2 41.2 9.4 100. 8108.2 312.9 999.9 99.9 999.9 10.8 97. 26.7 77.5 350.0 -41.4 99.9 256.0 14.6 14.2 3.5 315.3 999.9 99.9 999.9 12.1 94. 28.4 81.2 8607.7 325.0 -44.5 99.9 261.8 14.8 14.6 2. 1 999.9 9139.5 317.3 999.9 99.9 13.8 94. 30.1 £5.3 300.0 -48.3 99.9 275.8 16.3 16.2 -1.7 999.9 9707.7 999.9 99.9 15.5 93. 31.8 89. 3 275.0 -52.2 99.9 249.0 20.3 18.9 7.3 319.6 999.9 999.9 330.0 99.9 18.3 88. 34.0 94.2 10324.6 250.0 -51.2 99.9 242.2 28.0 24.8 13.1 334.7 999.9 99.9 999.9 22.6 84. 36.4 99.0 11003.3 225.0 -54.7 99.9 250.1 36.9 34.7 12.5 99909 999.9 99.9 27.9 39.0 104.0 11755-1 200.0 -56.3 99.9 258.7 28.6 20.1 5. 6 343.6 824 33.3 105.8 175.0 357.2 999.9 99.9 999.9 81. 42.1 12604.1 -56.2 99.9 261.9 30.1 29.8 4.3 999.9 376.1 999.9 38.8 45.5 115.6 13586.9 150.0 -54.6 99.9 264.7 24.8 24.C -6.3 99.9 83. 999.9 43. 5 49.6 122-5 14754.0 125.0 -54.9 99.9 270.2 19.3 19.3 -0. I 395.7 999.9 99.9 86. 999.9 54.0 130.0 16180.3 100.0 -56.0 99.9 250.7 13.5 12.8 4.5 419.5 999.9 99.9 48e 2 86. 999.9 999.9 59.8 136. Ú 18025.1 75.0 -53.5 99.9 277.5 16.1 15.9 -2. 1 460.9 99.9 54.0 84. 999,9 999.9 514.4 99.9 54. 9 67.5 146.5 20615.8 50.0 -54. B 99.9 50.2 4.3 -3.3 -2.7 86.

-52.0

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53.9

87.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETREEN 6 AND 10 DEG

<sup>.</sup> BY TEMP MEANS TERPERATURE OR TIME HAVE BEEN INTERPOLATED

<sup>\*\*</sup> BY SPEED HEARS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 654 HURON. S D

153 17. 0

TIME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	V CEMP	POT T	E POT T	MX RTO	RH	RANGE	AZ
MIN		GEM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DG K	DG K	GM/KG	PCT	KM	ÐG
0.0	9.1	392.0	967.2	7.2	5.5	80.0	4.2	-4.1	-0.7	283.€	299.0	5. 9	89.0	0.0	0.
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.
99.9	99. 3	59.9	975.0	69.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9	999.
0.5	10.7	539.8	950.0	6.5	6.0	76.4	6.6	-6.4	-1.6	284.6	30 a 6	6.2	97.0	0.3	287.
1.2	13.0	758.6	925.0	6.0	5.6	90.8	4.0	-4.0	0.1	286.3	302.3	6.2	96.9	0.5	275.
1.9	15.3	983.5	900.0	5.4	4.9	90.0	3.3	+3.3	-0.0	287.8	303.7	6.1	96.8	0.6	277.
2.6	17.6	1213.8	875.0	4.9	1.6	90.0	4.5	-4.5	0.0	289.5	302.7	5.0	79.7	0.7	274.
3.3	20.1	1450.0	£50•0	3.9	-2.8	109.5	4.8	-4.5	1.6	290.7	300.7	3.7	62.0	1.0	275.
4-1	22.4	1693.4	825.0	5.2	-5.1	137.5	3.2	-2.2	2.4	294.5	303.5	S • E	47.8	1.1	250.
4.9	25.0	1944.5	800.0	4.8	-13.0	299.1	0.7	0.6	-0 <sub>0</sub> 3	296.5	301.7	1.8	26.1	1.2	283.
5.7	27.4	2203.4	775.0	5.0	-23.1	312.7	3.9	2.9	-2.6	299.3	302.4	1.0	14.8	1.1	279.
6.6	30.1	2470.2	750.0	3.9	-30.0	297.6	5.4	4.8	-2.5	300.9	302.3	0.4	6.3	0.8	271.
7.5	32.9	2745.1	725.0	3.2	-37.0	293.9	6.5	6.0	-2.6	303.0	303.8	0.2	3.6	0e 6	259.
8.4	35. 5	3028.4	700.0	1.5	-49.0	293.9	8.4	7.7	-3.4	304.1	304.3	0.1 .	1.0	0.3	215.
9.5	36. 2	3320.3	675.0	0.5	-49.6	297.3	11.5	10.3	~5.3	306.2	306.4	0.1	1.0	9. 6	146.
10.4	40.3	3621.7	650.0	-1.7	-51.0	295.6	13.3	12.0	-5.7	307.1	307.3	0.1	1.0	1.3	131.
11.4	43.8	3932.1	625+0	-4.3	-52.6	290.9	12.9	12.0	-4.6	307.5	307.7	0.0	1.0	2. 1	124.
12.4	46.5	4251.9	600.0	-7.1	-54.4	288.0	12.7	12.1	-3.9	307.9	308.0	0.0	1.0	2. 9	120.
13.6	49.9	4582.1	575.0	-9.7	-55 - 1	287.7	11.6	11.0	-3.5	308.6	308.7	0.0	1.0	3.7	117.
14.8	52.5	4923.7	550.0	-11.9	-57.4	290.4	9.6	9.0	-3.3	309.9	310.0	0.0	1.0		116.
16.0	55.3	5277.9	525.0	-14.5	-59.1	291.9	8.3	7.7	-3.1	310.9	311.0	0.0	1.0	5.1	115.
17-1	59.1	5645.0	500.0	-17.8	-61.2	287.6	9.0	8.6	-2.7	311.3	311.4	0.0	1.0	5.7	115.
18.4	62.4	6026.3	475.0	-20.7	-63-1	282.3	9.7	9.5	-2.1	312.3	312.3	0.0	1.0	ã. 4	114.
19.7	65.7	6424.0	450.0	-23.4	-64.9	280.3	12.5	12.3	-2.2	313.7	313.6	0.0	1.0	7. 2	112.
21.2	69.1	6839.3	425.0	-26.4	-63.3	281.1	15.9	15.6	-3.1	315.1	315.2	0.0	1.7	8.4	111.
22.6	72.6	7274.3	400.0	-30.3	-52.5	278.2	15.1	15.0	-2.2	315.6	315.9	. 0.1	9.2	9. 7	109.
24.0	76. 3	7730.4	375.0	-33.6	-53.2	275.9	16.6	16.6	-1.7	317.0	317.3	0.1	11.8	11.1	107.
25.7	80. I	6210.4	350.0	-37-7	-48.7	275.6	18.3	18.2	-1.8	317.9	318.4	0.1	30 • 3	12.8	106.
27. 3	84.2	8717.6	325.0	-41.6	99.9	275.2	22.9	22.8	-2.1	319.4	999.9	99.9	999.9	14. 7	105.
29.3	88.3	9255.7	300.0	-46.2	99.9	276.2	25.5	25.3	-2.7	320.2	999.9	99.9	999.9	17.6	103.
31.4	93.0	9827.7	275.0	-51.2	59.9	275.5	27.5	27.4	-2.6	321.1	999.9	99.9	999.9	20.9	105.
33.7	97.6	10441.9	250.0	-55-5	99.9	276.8	30.1	29.8	-3.5	323.5	999.9	99.9	999.9	25.0	101.
36.0	102.5	11107.9	225.0	-58-2	99.9	281.5	36.1	35.4	-7.2	329.4	999.9	99.9 .	999.9	29.7	100.
38.6	106.0	11844.1	200.0	-61.7	99.9	288.1	28.0	26.6	-8.7	335.0	999.9	99.9	999.9	35. 0	102.
41.5	113.8	12671-1	175.0	-61.7	59.9	266.1	33.7	33.7	1.1	348.0	999.9	99.9	999.9	40.4	101.
44.5	120.0	13636.4	150.0	-59.2	99.9	279.6	22.6	22.3	- 3. 6	368.1	999.9	99.9	999.9	44.9	
48-6	126.8	14783.2	125.0	-58.3	99.9	273.1	18.7	18.7	-1.0	389.4	999.9	99.9	999.9	50.3	100.
53.8	134.3	16190.4	100.0	-57-2	99.9	272.1	17.2	17.1	-0.6	417.3	999.9	99.9	999.9	55.9	99.
60.3	142.0	18021.8	75.0	-51.7	99.9	278.9	8.7	e, 5	-1.3	464.6	999.9	99.9	999.9	61.3	99.
68.6	150.0	20625.6	50.0	-5447	99.9	40.0	3.8	m2:4	-2.9	514.6	999.9	99.9	999.9	61.4	
60-6	156.3	25119.8	€5.0	-51.2	99.9	28.0	1.2	-0.6	-1.1	638.0	999.9	99.9	999.9	62.6	101.

<sup>\*</sup> BY SPEEC MEANS ELEVATION ANGLE BETHEN 6 AND 10 DEG

<sup>\*</sup> BY TEMP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 655 ST CLOUD. MINN

### 25 APRIL 1975 1115 GMT

TIMÉ	CNTCT	HEIGHT GFM	PRES	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP M/SEC	V CCMP M/SE C	POT T DG K	E POT T	MX RTO GM/KG	RH PCT	RANGE KM	A Z DG	
0.0	€. 5	316.0	980.0	5.9	4.1	60.0	4.2	÷3•6	-2.1	281.3	294.8	5.2	88.0	0.0	0.	
99.9	99. 9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
0.2	7.0	357.9	975.0	5.6	4.0	67.8	12.1	-11.2	-4.6	281.4	294 0 8	5.2	89.4		263.	
1.0	9.3	570.7	950.0	5.6	2.5	74.0	7.3	-7.0	-2.0	283.5	296 • 1	4.8	80.4		254.	
1.9	11.5	789.3	925.0	6.2	2.4	76.8	2.7	-2.7	-0.6	286.2	299•2	4.9	76.7	0.7		
2.7	13.8	1013.7	900.0	5.0	2.4	43.7	2.4	-1.7	-1.8	267.3	300.7	5. 1	.83.0		254.	
3.6	15.9	1243.1	875.0	3-1	2.1	20.2	1.7	-0.6	-1.6	287.6	301 • 1	5.1	93.0		250.	
4.6	18.4	1477.9	850.0	1.6	1.4	321.9	1.0	0.6	-0.8	288.5	301.7	5.0	98.4		245	
5.4	20.5	1718.6	825.0	1.0	0.5	15.3	2.4	-0.6	-2.3	290.3	303.2	4 • 8	96.5		242.	
6.2	23.2	1965-6	800.0	-0.9	~1.0	9.8	3.5	-0.6	-3.4	290.8	362.9	4.5	99.1		235.	
7.0	25.6	5518.8	775.0	-2.3	-2.5	7•4	1.8	-0.2	-1.7	291.8	303.1	4.1	98.7		230.	
7.9	28• 1	2478.8	750.0	-3.3	-4,3	304.8	1.3	1.1	-0.7	293.5	303.7	3.7	92.5		229.	
9.0	30 € €	2746.7	725.0	-4.3	-7.2	300.1	3.6	3.1	-1.8	295.1	303.7	3.1	80.2		222.	
1001	33.6	3023-1	700.0	-5.0	-9.6	312.7	4.9	3.6	-3.3	297.3	304.9	2.6	70.0		207.	
11.1	36.1	3308.6	675.0	-6.2	-11.2	346.2	4.6	1.1	-4.5	299.0	306.0	2.4	67.4		194.	
12.2	38.9	3603.6	650.0	-6.6	-21.7	354.8	5+8	0.5	-5.6	301.6	304.9	1.1	29.8		192.	,
13.3	41.6	3905.6	625.0	-7.5	-20.2	345.4	8.1	5.0	-7.8	304.0	307.8 307.8	1.2	35.2		187. 181.	
14.5	44.5	4226.1	600.0	-9-8	-23.9	340.2	9•6	3.2	-9.0	304.9		0.9	30.7		176.	
15.6	47.6	4553.3	575.0	-11.9	-38.5	338.4	11.5	4.2	-10.7	306.0	306.8	0.2	8.8		172.	
16.8	50.5	4891.9	550.0	-14.5	-41.0	333.1	13.7	6.2	-12.3	306.8	307.5	0.2	8.4			
18.0	53.6	5242.0	525.0	-17.7	-41.2	331-1	13.0	6.3	-11.3	307.1	307.8	0•2	10.7	-	158.	
19.3	56.7	5605.7	500.0	-19.9	-62.6	340+3	12.8	4.3	-12.0	308.7	308.8	0.0	1.0		166. 166.	
20.6	60.0	5983.8	475.0	-23.1	-64.7	350.9	14.6	2.3	-14.4 -17.2	309.3	309.3 310.7	0.0	2.0		167.	
21.9	63.4	6377.6	450.C	-25.9	-66.5	347•2 340•4	17.6	3.9 5.9		310.7 311.0	311.0	0.0	1.0 1.0		166.	
23.4	66.9	6758.4	425.0	-29.6	-68.9	336.4	17.6		-16.6 -18.1	311.7	311.7	0.0	1.0		165.	
25.0	70.5	7217 <b>.6</b> 7667 <b>.</b> 7	400.0 375.0	-33.3 -36.5	-71•3 -73•4	332.8	19.8 20.6	7•9 9•4	-16.3	313.2	313.3	0.0	1.0		163	
26.5 28.7	74.2 78.2	8141.4	350.0	-40-5	99.9	327.0	21.1	11.5	-17.7	314.1	999.9	99.9	999.9	16.1		
	82.2	8642.2	325.0	-44.5	99.9	322.7	20.4	12.4	-16.2	315.3	999.9	99.9	999.9		159.	
30.5 32.4	86.3	9172.8	300.0	-49.2	99.9	324.1	24.7	14.5	-20.0	316.1	999.9	99.9	999.9		157.	
		9737.5	275.0	-53.7	99.9	320.3	25.3	16.2	-19.5	317.5	999.9	99.9	99 9 9		156.	
34.4 36.6	90. 8 95. 7	10343.0	250.0	-58.6	99.9	313.0	26.7	19.5	-18.2	319.0	999.9	99.9	99969		153.	
39.0	100.7	11002-1	225.0	-60.3	99.9	298.3	31.2	27.4	-14.8	326.2	999.9	99.9	999.9		149.	
41.7	106.3	11742.5	200.0	-58.6	99.9	294.3	21.2	19.3	-8.7	340.0	999.9	99.9	999.9		146.	
44.7	112.0	12580 - 3	175.0	-59.0	99.9	284.7	28.0	27.1	-7.1	352.6	999.9	99.9	999.9		142.	
48.3	116.5	13557.9	150.0	-55.2	99.9.	279.8	19.2	18.9	-3.3	375.0	999.9	99.9	999.9		137.	
52.0	125.8	14709.6	125.0	-58.7	99.9	289.1	19.3	18.2	-6.3	368.7	999.9	99.9	999.9	47.0		
57.0	134.0	16122.6	100.0	-56.1	97.9	283.2	14.5	14.1	-3.3	419.4	599.9	99.9	999.9		132.	
63.6	142.7	17968-3	75.0	-54-1	99.9	245.1	5.2	4.8	2.2	459.5	999.9	99. 9	999.9		129.	
72.7	153.0	20551.2	50.C	-53.6	99.9	42.4	5.8	-3.9	-4.3	516.7	999.9	99.9	999.9		129.	
86.2	164.5	25025.1	25.0	-52-8	99.9	14.2	4.6	-1.1	-4.5	632.9	999.9	99.9	999.9		132.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETREEN 6 AND 10 DEG • BY TERF MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED • BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

STATION NO. 662 RAPID CITY. S D

## 25 APRIL 1975 1115 GMT

152 12. 0

TIME	CNTCT	HEIGHT GFM	PRES	TEMP DG C	DEW PT	DIR	SPEED M/SEC	U COMP	V CCMP M/SEC	POT T	E POT T	MX RTD GM/KG	RH PCT	RANGE KM	AZ DG	
7.5		Qr.m		D0 C	<i>D</i> <b>G</b> C	UG	m/JEC	H/ 3EC	M/ JEC	- CG K	00 K	GM/KG	P.C.1	<b>1</b> 0.44	U	
0.0	15.0	966.0	899.8	4,4	. 4.0	140.0	7.2	-4.6	5. 5	286.6	301.6	5. 7	97.0	0.0	0.	
99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	975.0	99.9	99.9	99.9	99.9	99.9	99. 3	99.9	999.9	99.9	999.9	999.9		
99.9	99.9	99.9	950.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999. 9		
99.9	99.9	99.9	925.0	99.9	99.9	95.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
99.9	99.9	99.9	900.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	999.9	99.9	999.9	999.9	999.	
0.7	17-1	1194.0	875.0	4.4	4.3	183.5	9.7	0.6	9.7	289.2	304.9	6.0	99.2	0.4	337.	
1.7	19.5	1430.5	850.0	5.0	-2.9	156.9	15.3	-6.0	14.1	291.8	301 • 8	3.6	56.8	1.1	343.	
2.5	21.7	1675.7	825.0	7.5	-3.1	166.0	17.4	-4.2	16.9	297.0	307.4	3.7	460.7	1.9	341.	
3.3	24.1	1929.1	800.0	7.5	-10-2	174.1	17.6	-1.08	17.5	299.5	305.9	2.2	27.2	2.8		
4.4	26.4	2190.1	775.0	7.1	-15.5	183.2	19.4	1.1	19.4	361.7	307.6	2.0	24.5	3. 9		
5.4	29.0	2459.2	750.0	6.2	-11.2	1 69 <sub>0</sub> 1	20.0	3.2	19.7	303.6	310.0	2.2	27.5	5. 1		
6.6	31.7	2736.2	725.0	4+5	-14.5	195.2	18.5	4.9	17.8	394.6	309.8	1.7	23.6	6.4		
7.5	34.3	3020.9	700.6	2.2	-14.2	196.9	17.2	5.0	16.5	305.2	310.7	1.8	28.3	7.4	360.	
8.5	36.9	3313.5	675.0	0.7	-13-0	203.1	15.5	6.1	14.2	306.7	313.0	2. 1	34.7	8. 3	1.	
9.5	39.7	3614.9	650.0	-2.2	-12.8	217.9	12.9	7.9	10.2	306•7	313.4	2.2	44.1	9.3	4.	
10.6	42.3	3925.3	625.0	-4.7	-1368	231.0	10.4	8.1	6. 5	307.3	313.7	2.1	48.9	9.6	8•	
11.9	45• <b>3</b>	4244.5	600.0	-8.0	-14.8	225.4	9.6	6.8	6.8	307.0	313.2	2.0	58.2	10.2		
13.2	46.3	4573.5	575.0	-11-2	-16.8	217.1	9•5	5∙7	7•6	307.0	312.5	1.8	63.2	10.8	12.	
14.5	₹1.3	4912.8	550.0	-14.4	-19.6	217.9	10.2	6.3	8-1	307.2	311.8	1 • 5	64.3	11.5		
,15.7	54.4	5264.4	525.0	-15-6	-42.2	216.4	14.5	8.6	11.7	309.4	310.0	0.2	8.2	12.3	15.	
16.8	57.4	563C.2	500.C	-18.7	-44.1	217.8	15.5	9.5	12.2	310.2	310.8	0.1	8.5	13.2		
19.1	60.5	6010.3	475.0	-21-1	-45.7	222.9	18.4	12.5	13.5	311.9	312.3	0.1	8.8	14.5		
19.3	64.3	6408.4	450.0	-22.6	-46.4	229.5	19.6	14.9	12.7	314.7	315.2	C-1	9.4	15.6	21.	
20.6	67.7	6824.9	425.0	-26-1	-41.9	234.2	19-1	15.5	11.1	315.5	316.3	0.2	20.9	17.0		
55.0	71.2	7260.3	400.0	-29.4	-48.8	236.1	21.4	17.8	12.0	316.7	317.1	0.1	13.2	18.5		
23.6	75.0	7717.1	375.0	-33.1	-51.6	241.8	23.0	20.3	10.9	317.8	318.1	0.1	13.5	20.3	30.	
25.3	79.2	8198-1	350.0	-37.2	-54.7	242.6	25.5	22.6	11.7	318.5	318.8	0.1	14.0	22. 3	33.	
27.0	63.2	8705.7	325.0	-41.6	99.9	243.4	26.5	23.7	11.9	319.4	999.9	99.9	999.9	24.8	36.	
29.0	87.4	9243.0	300.0	-46.6	99.9	245,2	30.4	27.6	12.7	319.6	999 <b>.9</b> 999 <b>.9</b>	99.9	999.9	28.0 31.4	40.	
31.1	92.2	9814.4	275.0	-51.5	99.9	242.9	31.6	28•1 32•9	14.4	320•7 323•9	999.9	99.9 99.9	999.9	36.7	43. 45.	
33.7 36.2	56.9 102.0	10427•3 11095•6	250•0 225•0	-55.3 -57.6	99.9 99.9	242.4 257.7	37,2 45,2	44.1	17•2 9•6	330.3	999.9	99. 9	999.9	42. 8		
35.4	107.6	11831.4	200.0	-62.1	99.9	264.5	35.8	35.7	3.4	334.4	999.9	99.9	999.9	47. 3		
40.8	113.5	12653.0	175.0	-63.4	99.9	234.2	20.7	23.3	16.8	345.4	999.9	99.9	999.9	51.3		
44.1	120,3	13617.7	150.0	-58.5	99.9	249.2	27.3	25.5	9.7	369.3	999.9	99. 9	999.9	57.2		
47.9	127.5	14763.8	125.0	-59.5	99.9	260.4	20.6	20.3	3.5	387.3	999.9	99.9	999.9	61.3		
52.7	135.7	16162.0	100.0	-56.9	99.9	256.9	21.1	20.6	4.8	417.8	999.9	99.9	999.9	66.8		
58.7	143.7	17983.2	75.0	-54.8	99.9	257.6	9.6	9.4	2.1	458.1	999.9	99.9	999.9	70.9	61.	
67.0	152.3	20593.7	50.0	-54.9	99.9	353.7	2.3	0.2	-2.2	514.2	999.9	99.9	999.9	72.0	62.	
78.8	161.3	25065.0	25.0	-92.2	99.9	319.4	3.0	1.9	-2. 3	635.0	999.9	99.9	999.9	72.8	63.	

<sup>\*</sup> BY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG \* BY TEMP MEANS TEMPERATURE OR TIME PAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### STATION NO. 11001 MARSHALL SPACE FLIGHT CENTER

1975

								1123 G	4T					1	61 15	• 0
	IME	CNTCT	HEIGHT	PRES	TEMP	DEW PT	DIR	SPEED	U COMP	, V CCMP	POT T	E POT T	MX RTO	RH .	RANGE	
	MIN		GFM	MB	DG C	DG C	DG	M/SEC	M/SEC	M/SEC	DGK	DG K	GM/KG	PCT	KM	DG
	0.0	6.3	180.0	994.0	21.4	18.2	200.0	· 5 • 7	1.9	5.4	296.9	331.9	13.4	82.0	0.0	0.
	99.9	99.9	99.9	1000.0	99.9	99.9	99.9	99.9	99.9	99. 9	99.9	999.9	99.9	999.9	999.9	999.
	0.4	7.8	347.3	975.0	19.6	17.7	212.4	15.9	8.5	13.4	296.7	331.2	13.2	88.5	0.3	29.
	1.5	9.9	571.3	950.0	18.0	17.1	222.9	21.0	14.3	15.3	297.2	331.4	13.0	93.9	1.3	35.
	2.2	11.6	80C-1	925.0	16.6	15.8	231.5	23.5	18.4	14.6	297.9	330.4	12.3	95.3	2.3	40.
•	3.0	13.9	1033.6	900.0	15.0	14.2	237.6	25.3	21.3	13.6	298.4	328.7	11.4	95.0	3.4	45.
	3.8	15. 9	1272.4	875.0	13.9	13.1	241.B	25.5	22.5	12.0	299.7	329.8	10.9	94.9	4.6	. 49.
	4.7	10.1	1516.9	850.0	12.1	10.9	247.4	27.7	25.6	10.6	30C.1	326.5	9.8	92.6	5. 1	5 3·
	5.5	20.2	1766.5	825.0	10.6	5.6	252.9	23.9	22.8	7.0	360.9	320.0	6.9	70.1	7.4	56.
	6.6	22.4	2023.3	800.0	10.1	5.0	259.0	27.5	27.0	5.2	302.€	321.9	6.9	70.8	8.8	50·
	7.7	24.7	2257.0	775.0	8, 1	6.0	255.2	26.6	25.7	6.8	303.5	324.7	7.6	86.8	10.4	62.
	8.6	26.8	2557.5	750.0	6.0	5.0	255.3	26.5	2506	6.7	304.1	324.5	7.4	93.3	11.9	64.
	9.5	29.2	2834.5	725.0	3.7	2.7	256.5	27.2	26.4	€. 4	304.3	322.4	6.4	93.2	13.3	65.
	10.6	31.7	3119.4	700.0	2.1	0.9	253.9	30 • 1	28.9	8.3	305.6	322.3	5.9·	91.5	15. 2	67.
	11.6	34.2	3412+5	675.0	-0.1	-1.1	251.4	30.5*	28.9	9.7	306.2	321.2	5.2	92.7	17.3	67.
	13.1	36.6	3714.1	650.0	-2.1	-3,1	250.0	35+6+	33.5	12.2	307.2	320.7	4.7	92.9	19.9	68.
	14.4	39.2	4024.5	625.0	-4.7	-17.0	244.8	34.5+	31.2	14.7	307.3	312.2	1.6	37.5	22.7	68.
	15.6	41.7	4345.8	600.0	-4.8	-17.7	238.9	32.14	27.5	16:6	310.7	315.7	1.6	35.5	25.2	67.
	16.9	44.4	4678.8	575.0	-7.5	-35.6	235.4	30.4*	25.0	17.3	311.2	312.3	0.3	8.6	27• 5	66.
	19.1	47.3	5022.9	550.0	-10.7	-21.8	234.5	30.5*	24.8	17.7	311.5	315.4	1.2	40.0	29.7	65.
	19.2	50.2	5379.5	525.0	-12.3	-19.1	237.1	34.7#	29.1	18.8	313.7	318.8	1.6	56.9	31.6	65.
	20 • 3	E3. 1	5750.4	500.0	-15.3	-21.4	235.7	36.2*	29.9	20.4	314.5	319.0	1.4	59.4	34.2	64.
	21.7	56.0	6136.8	475.0	-16.9	-23.4	237.9	33.3*	28.2	17.7	317.2	321.2	1.2	56.5	37.0	63.
	23.6	59.3	6540-8	450.0	-19.5	-24.4	247.2	37.0+	34.1	14.4	318.8	322.6	1.2	65.1	40.9	64.
	25.2	62.6	6964-1	425.0	-21.2	-38.9	254.7	29.8*	28.8	7.9	321.7	322.9	0.3	19.1	44.0	64.
	26.7	66.0	7408+4	400.0	-24.6	-34.5	255.6	42.4*	41.1	10.5	323.0	324.7	0.5	39.0	46.5	65.
	27. a.	69.7	7875.2	375.0	-28.0	-34.9	263.8	37.1*	36.9	4.0	324.5	326.3	0.5	51.7	50. 1	66.
	29. 1	73.3	8367.6	350.0	-31.3	-38.0	270.3	37.9*	37.9	-0.2	326.5	327.9	0.4	51.2	52.1	67.
	30.6	77.3	8888.3	325.0	-35.7	-42.4	277.9	32.5*	32.2	-4.5	327.4	328.4	.0.3	49.8	54.7	68.
	32.4	81.4	9439.3	300.0	-40+4	99.9	276.6	31.3*	31.1	-3.6	328.4	999.9	99.9	999.9	58•4	70.
	34.3	85.8	10026.7	275.0	-45.1	<b>99.9</b>	273.3	22.7*	22.6	-1.3	330.0	999.9	99.9	999.9	60.9	71.
	<b>36.6</b>	90.6	19656.3	250.0	-50.2	99.9	271.4	14.3*	24.3	-0.3	331.5	999.9	99.9	999.9	63.1	72.
	38.9	95.7	11335.2	225.0	-56.1	99.9	264.3	21.2*	21.1	2.1	332+6	999.9	99.9	999.9	65. 6	
	41.2	101.0	12072.4	200•0	-62.7	59.9	272•2	22.7*	22.7	-0.9	333.5	959.9	99.9	999.9	69.4	73.
	43.9	107.5	12882.4	175.0	-69.0	99.9	257.6	34.2*	33.4	7.4	336-1	999.9	99.9	999. 9	73.1	74.
	46.8	114.3	13809.9	150.0	-65.2	99.9	301.5	16.7+	14.2	-8.7	357.7	999.9	99.9	999.9	76.5	75.
	50.2	122.0	1493467	125.0	-63.8	99.9	286.8	24.2	23.2	-7.0	379.5	999-9	99.9	999.9	82. 6	770
	54.4	130-7	16304.0	100.0	-63.3	<b>99.</b> 9	285.0	14,50	14.0	-3. 7	405+5	999.9	99.9	999.9	86.4	78.
	59.9	140.3	18045.9	75.0	-66.4	99.9	258.7	2.7	2.7	0.5	433.7	999.9	99.9	999.9	89.7	79.
	67•2	151.0	20515-8	50-0	-63.4	99.9	253.7	28.6	27.4	8.0	494.1	999.9	99.9	999.9	91.3	79.
	78. t	162-0	F-PPRAC	25.0	-52-7	99.0	63.0	17.5	-15.6	-7.9	633-1	99949	99.9	999.0	89.1	80.

<sup>\*</sup> EY SPEED MEANS ELEVATION ANGLE BETWEEN 6 AND 10 DEG

<sup>\*</sup> BY TEPP MEANS TEMPERATURE OR TIME HAVE BEEN INTERPOLATED \*\* BY SPEED MEANS ELEVATION ANGLE LESS THAN 6 DEG

### APPENDIX B

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# WIND DATA FOR WALLOPS ISLAND, VIRGINIA AND FORT TOTTEN, NEW YORK

These data were computed by the National Weather Service using a scheme different from that used in the AVE reduction process.

--- A. ALBERTANON

## APPENDIX B.

Wind Data for Wallops Island, Virginia and Fort Totten, New York

These data were computed by the National Weather Service using a scheme different from that used in the AVE reduction process.

### Wallops Island, Virginia April 24, 1975 at 1415 GMT

Time (min)	Wind Speed (mps)	Wind Direction (deg)	Time (min)	Wind Speed (mps)	Wind Direction (deg)
1.00	16.0	235	50.00	29.3	287
2.00	17.8	234	51.00	35.3	287
3.00	18.1	235	52.00	32.0	277
4.00	20.9	246	53.00	30.3	285
5.00	18.7	257	54.00	29.9	293
6.00	14.6	266	55.00	25.8	295
7.00	12.5	273	56.00	23.8	291
8.00	12.1	263	57.00	22.9	291
9.00	12.7	253	58.00	22.2	291
10.00	13.0	252	59.00	19.2	295
11.00	13.7	257	60.00	13.9	319
12.00	14.6	265	61.00	13.1	3
13.00	17.3	270	62.00	16.7	291
14.00	19.2	271	63.00	18.8	302
15.00	19.7	272	64.00	11.3	312
16.00	17.0	271	65.00	11.1	314
17.00	19.3	269	66.00	11.6	326
18.00	18.9	269	67.00	5.0	346
19.00	15.4	268	68.00	5.8	357
20.00	14.5	270	69.00	6.8	333
21.00	16.5	277	70.00	2.2	336
22.00	14.5	280	71.00	5.4	351
23.00	13.2	285	72.00	5.9	1
24.00	13.9	289	73.00	3.4	342
25.00	12.0	289	74.00	3.7	352
26.00	12.8	285	75.00	2.8	68
27.00	14.1	283	76.00	4.1	328
28.00	12.7	290	77.00	3.2	35
29.00	20.9	282	78.00	2.3	327
30.00	26.2	282	79.00	5.2	29
31.00	22.7	290	80.00	3.9	64
32.00	20.0	297	81.00	3.9	90
33.00	22.9	291	82.00	3.7	1.22
34.00	24.5	290	83.00	3.6	59
35.00	26.4	298	84.00	2.2	59
36.00	28.6	296	85.00	5.6	337
37.00	30.2	299	86.00	4.9	99
38.00	31.4	303	87.00	1.1	90
39.00	33.6	309	88.00	3.4	92
40.00	35,7	311	89.00	1.7	161
41.00	35.4	310	90.00	3.9	208
42.00	32.2	310	91.00	4.6	286
43.00	29.7	317	92.00	1.5	322
44.00	25.3	324	93.00	2.3	357
45.00	20.4	326	94.00	5.6	359
46.00	19.3	301	95.00	4.7	10
47.00	16.9	304	96.00	3.0	52
48.00	21.8	296	97.00	2.1	105
49.00	27.1	293			

### Wallops Island, Virginia April 24, 1975 at:1715 GMT

•					
Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
1.00	17.7	232	42.00	26.9	279
2.00	17.5	237	43.00	32.5	286
3.00	18.1	249	44.00	38.7	
	16.8	249	45.00	41.6	276
4.00		250			278
5.00	15.6		46.00	36.4	292
6.00	16.1	247	47.00	23.5	306
7.00	15.7	245	48.00	16.6	304
8.00	15.1	241	49.00	17.9	293
9.00	16.7	250	50.00	18.6	285
10.00	19.5	258	51.00	18.8	287
11.00	20.3	259	52.00	15.2	298
12.00	22.7	262	53.00	13.9	300
13.00	23.6	265	54.00	15.3	308
14.00	24.9	271	55.00	7.5	31.5
15.00	26.6	277	56.00	6.9	314
16.00	25.6	284	57.00	6.1	344
17.00	19.7	285	58.00	1.6	11
18.00	16.9	278	59.00	3.2	303
19.00	15.7	275	60.00	1.9	288
20.00	14.0	275	61.00	5.5	351
21.00	15.1	280	62.00	4.1	1.0
22.00	16.5	280	63.00	3.1	328
23.00	19.6	275	64.00	3.3	349
24.00	17.3	277	65.00	1.6	11
25.00	18.7	278	66.00	3.4	25
26.00	18.9	285	67.00	2.1	251
27.00	18.1	288	68.00	0.4	22
28.00	18.9	290	69.00	1.3	82
29.00	20.3	296	70.00	1.4	72
30.00	20.3	302	71.00	0.8	289
31.00	22.9	311	72.00	2.1	111
32.00	28.0	312	73.00	1.5	321
33.00	29.5	313	74.00	4.7	338
		314			
34.00	30.6		75.00	5.4	45 150
35.00	33.7	312	76.00	0.8	158
36.00	32.8	315	77.00	1.3	45 107
37.00	23.5	319	78.00	1.0	127
38.00	15.0	313	79.00	3.0	319
39.00	13.5	282	80.00	4.7	335
40.00	21.8	279	81.00	1.9	324
41.00	24.4	286	82.00	2.7	325

Wallops Island, Virginia April 24, 1975 at 2055 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
1.00	16.5	218	52.00	28.7	000
2.00	18.1	214	53.00	26.2	286 290
3.00	19.0	217	54.00	30.5	
4.00	19.2	225	55.00	30.1	287
5.00	23.4	226	56.00		282
6.00	23.2	232	57.00	33.1	286
7.00	24.3	232 246		29.9	291
8.00	22.4	252	58.00 59.00	25.8	284
9.00	20.3	232 248		24.0	279
10.00	19.8	244	60.00	26.3	299
11.00	19.5	247	61.00	11.1	295
	19.3	24 <i>7</i> 249	62.00	13.8	288
12.00			63.00	14.0	297
13.00	18.7	252 255	64.00	11.4	322
14.00	17.7	255	65.00	8.5	341
15.00	19.8	268	66.00	9.4	332
16.00	21.8	274	67.00	6.4	329
17.00	22.7	277	68.00	5.2	345
18.00	26.6	276	69.00	4.2	312
19.00	26.0	275	70.00	3.2	316
20.00	27.2	279	71.00	6.9	303
21.00	26.5	282	72.00	6.3	303
22.00	27.3	278	73.00	3.6	12
23.00	27.5	277	74.00	2.7	14
24.00	23.8	271	75.00	1.7	312
25.00	24.2	276	76.00	3.1	332
26.00	23.6	275	77.00	1.8	329
27.00	22.1	270	78.00	3.1	345
28.00	22.8	264	79.00	5.6	31
29.00	22.0	263	80.00	3.4	8
30.00	21.3	259	81.00	2.7	17
31.00	21.1	253	82.00	3.7	90
32.00	21.2	253	83.00	2.8	290
33.00	20.8	258	84.00	3.0	309
34.00	19.1	256	85.00	6.4	322
35.00	18.6	263	86.00	2.9	329
36.00	18.3	265	87.00	1.9	10
37.00	17.0	267	88.00	6.2	353
38.00	19.8	277	89.00	5.4	60
39.00	23.1	287	90.00	1.0	189
40.00	24.4	293	91.00	2.9	12
41.00	24.6	296	92.00	3.2	304
42.00	24.4	298	93.00	7.1	326
43.00	26.0	298	94.00	6.3	339
44.00	28.4	296	95.00	8.3	354
45.00	29.5	297	96.00	4.3	84
46.00	32.6	298	97.00	5.7	331
47.00	30.4	300	98.00	0.6	140
48.00	21.1	303	99.00	5.3	319
49.00	17.6	288	100.00	2.6	294
50.00	21.1	283	101.00	7.3	276
51.00	27.2	281	102.00	2.1	268
J			102.00		600

## Wallops Island, Virginia April 25, 1975 at 0515 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
1 00	18.4	0/0	49.00	24.0	279
1.00 2.00	17.1	.243 246	50.00	18.8	274
3.00	16.3		51.00	23.5	274 276
		256 250		. 21.6	276 284
4.00	19.7	250	52.00	28.1	287
5.00	24.2	252	53.00 54.00	27.6	292
6.00	24.6	262		21.9	294
7.00	22.0	271	55.00 56.00	16.1	282
8.00	21.9	277	57.00	19.0	272
9.00	20.3	273		19.6	272 276
10.00	18.6	267	58.00	21.1	276 286
11.00	18.3	267	59.00	14.4	280
12.00	18.2	271	60.00	10.6	272
13.00	17.5	273	61.00	10.6	241
14.00	17.8	271	62.00	9.8	237
15.00	17.1	271	63.00		242
16.00	17.7	273	64.00	5.2	216
17.00	17.5	271	65.00	1.9 5.6	237
18.00	17.6	264	66.00		
19.00	17.5	265	67.00	7.2 4.3	278
20.00	16.2	272	68.00		279
21.00	15.8	264	69.00	7.6	311
22.00	16.3	266	70.00	6.3	332
23.00	19.7	269	71.00	4.9	24 5.7
24.00	21.1	272	72.00	3.1	57
25.00	22.1	280	73.00	2.1	287
26.00	22.8	286	74.00	5.3	304
27.00	23.8	286	75.00	4.3	336
28.00	22.7	284	76.00	2.6	13
29.00	23.3	277	77.00	3.7	23
30.00	24.6	270	78.00	4.4	42
31.00	23.9	262	79.00	3.3	82
32.00	25.2	259	80.00	4.6	54
33.00	26.9	258	81.00	3.7	81
34.00	27.4	258	82.00	2.0	101
35.00	26.4	257	83.00	4.8	100
36.00	25.6	256	84.00	4.3	87
37.00	25.4	<b>256</b>	85.00	4.2	88
38.00	24.2	255	86.00	3.8	94
39.00	26.3	2,53	87.00	3.9	68
40.00	27.2	255	88.00	2.7	78
41.00	26.8	251	89.00	3.9	113
42.00	26.4	256	90.00	2.2	22
43.00	26.3	263	91.00	6.1	24
44.00	26.4	265	92.00	5.0	56
45.00	25.3	262	93.00	4.4	69
46.00	24.0	273	94.00	3.9	102
47.00	28.5	282	95.00	2.7	97
48.00	27.2	279	96.00	0.2	90

### Wallops Island, Virginia April 25, 1975 at 0515 GMT (Continued)

Time (min)	Wind Speed (mps)	Wind Direction (deg)
97.00	3.6	304
98.00	3.4	316
99.00	4.5	305
100.00	3.5	326
101.00	4.8	341
102.00	6.0	332
103.00	7.3	345
104.00	10.1	20
105.00	6.7	68
106.00	0.8	164
107.00	2.9	269
108.00	7.1	301

Ft. Tottem, N. Y. April 23, 1975 at 2315 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
0.5	10.0	206	42.00	44.4	308
. 25	10.8				
.50	11.1	145	43.00	35.5	311
.75	20.7	149	44.00	32.2	318
1,00	7.4	142	45.00	28.7	298
1.25	3.0	83	46.00	36.1	308
1.50	8.7	159	47.00	34.3	307
1.75	7.8	188	48.00	28.3	303
2.00	9.0	183	49.00	30/9	301
2.25	9.4	178	50.00	34.7	308
2.50	10.5	171	51.00	28.3	310
2,75	9.7	189	52.00	26.5	310
3.00	8.3	192	53.00	27.3	307
4.00	7.5	253	54.00	29.7	312
5.00	20.5	314	55.00	28.4	320
6.00	30.6	198	56.00	28.3	316
7.00	23.1	228	57.00	22.0	331
8.00	11.5	262	58.00	19.7	328
9.00	13.1	273	59.00	16.5	328
10.00	13.1	282	60.00	12.6	311
11.00	12.8	287	61.00	10.1	297
12.00	12.4	291	62.00	8.0	312
13.00	13.6	296	63.00	17.0	325
14.00	17.4	290	64.00	3.5	187
15.00	18.2	290	65,00	13.9	328
16.00	17.3	289	66.00	3.5	150
17.00	17.9	293	67.00	5.4	315
18.00	15,8	295 295	68.00	6.5	300
19.00	18.3	288	69.00	4.8	287
20/00	18.5	282	70.00		
21.00	18.2	287	70.00	5.5	325 105
22.00	19.0	284	72.00	3.9	
23.00	22.0	280	73.00	7.8	327 314
24.00	22.6		74.00	.5	
25.00		277		4.8	315
	23.5	276	75.00	11.0	328
25.00	24.5	277	76.00	6.6	3
27.00	27.5	290	77.00	33.4	126
28.00	31.9	295	78.00	2.9	3
29.00	33.3	297	79.00	5.0	352
30.00	33.4	300	80.00	1.3	78
31.00	33.4	303	81.00	16.6	320
32.00	30.2	300	82.00	1.7	311
33.00	34.7	301	83.00	5.4	102
34.00	35.6	304	84.00	11.0	336
35.00	37.4	307	85.00	4.6	267
36.00	40.6	306	86.00	5.8	343
37.00	43.5	303	87.00	15.4	145
38.00	42.9	302	88.00	15.6	330
39,00	46.7	306	89.00	8.7	317
40.00	46.8	306	90.00	11.9	316
41.00	46.8	307	91.00	11.5	323

Ft. Totten, N. Y.
April 23, 1975 at 2315 GMT (Continued)

Time (min)	Wind Speed (mps)	Wind Derection (deg)
92.00	26.5	162
93.00	14.8	252
94.00	32.6	194
95.00	23.7	165
96.00	33.4	126
97.00	26.5	162

Ft. Totten, N. Y. April 24, 1975 at 0515 GMT

Time (min)	Wind Speed (mps)	Wind Direction (deg)	Time (min)	Wind Speed (mps)	Wind Direction (deg)
.25	4.0	87	32.00	45.9	179
.50	8.8	117	33.00	55.5	174
. 75	10.8	126	34.00	55.3	178
1.00	8.2	121	35.00	50.9	180
1.25	9.5	126	36.00	60.6	176
1.50	9.8	<b></b> 151	37.00	58.3	179
1.75	8.9	163	38.00	74.3	176
2.00	11.1	176	39.00	76.7	171
2.25	13.5	184	40.00	49.1	186
2.50	15.3	186	41.00	44.5	180
2.75	13.4	192	42.00	34.5	184
3.00	15.6	199	43.00	15.1	200
4.00	17:6	203	44.00	27.8	180
5.00	18.4	214	45.00	57.6	171
6.00	17.9	225	46.00	51.1	175
7.00	19.1	228	47.00	22.4	191
8.00	18.7	232	48.00	13.6	201
9.00	19.3	228	49.00	43.3	172
10.00	19.7	221	50.00	62 <b>.2</b>	161
11.00	20.1	218	51.00	57.6	159
12.00	20.1	214	52.00	54.3	164
13.00	19.4	228	53.00	52.7	166
14.00	20.7	225	54.00	33.0	175
15.00	21.5	222			
16.00	23.5	232			
17.00	23.8	230			
18.00	24.6	241			
19.00	26.8	245			
20.00	25.0	245			
21.00	28.2	277			
22.00	19.0	249			
23.00	25.3 17.7	286 244			
24.00	20.9	244 224			
25.00 26.00	24.1	265			
27.00	41.3	205 295			
28.00	21.5	222			
29.00	51.7	169			
30:00	47.7	174			
31.00	46.9	175			
21.00	40.7	*/J			1000年,1000年代,安美的1000年代

Ft. Totten, N. Y. April 24, 1975 at 1115 GMT

Time (min)	Wind Speed (mps)	Wind Direction (deg)	Time (min)	Wind Speed (mps)	Wind Direction (deg)
.25	6.7	169	41.00	41.4	315
.50	7.6	238	42.00	31.1	311
.75	9.2	245	43.00	25.9	302
1.00	11.8	249	44.00	27.2	294
1.25	14.4	252	45.00	27.2	285
1.50	16.9	259	46.00	34.0	284
1.75	17.6	262	47.00	36.3	290
2.00	17.7	267	48.00	32.9	. 296
2.25	17.6	267	49.00	26.5	292
2.50	17.8	272	50.00	29.2	293
2.75	19.1	274	51.00	25.8	303
3.00	19.8	278	52.00	17.7	285
4.00	18.8	272	53.00	22.7	286
5.00	18.9	275	54.00	21.0	283
6.00	16.9	277	55.00	25.1	287
7.00	17.9	274	56.00	23.3	288
8.00	21.0	272	57.00	21.1	293
9.00	21.3	269	58.00	14.9	307
10.00	18.1	273	59.00	8.1	297
11.00	15.6	275	60.00	12.3	298
12.00	14.4	275	61.00	10.7	309
13.00	14.9	279	62.00	12.1	325
14.00	14.9	287	63.00	6.1	353
15.00	15.7	284	64.00	5.2	326
16.00	16.9	282	65.00	4.2	309
17.00	15.6	273	66.00	6.8	307
18.00	18.1	274	67.00	6.8	316
19.00	19.1	286	68.00	1.7	358
20.00	21.5	289	69.00	1.8	30
21.00	23.0	283	70.00	3.5	333
22.00	23,8	279	71.00	4.2	332
23.00	22.4	276	72.00	5.0	360
24.00	21.8	278	73.00	2.8	43
25.00	21.0	280	74.00	2.1	70
26.00	22.4	294	75.00	7.7	339
27.00	25.5	285	76.00	4.8	<b>71</b>
28.00	31.2	285	77.00	4.6	75
29.00	31.5	285	78.00	3.0	89
30.00	30.6	284	79.00	2.2	111
31.00	30.9	285	80.00	4.5	338
32.00	31.2	283	81.00	2.8	69
33.00	32.9	285	82.00	4.4	316
34.00	34.9	290	83.00	1.8	74
35.00	37.5	296	84.00	1.7	41
36.00	39.5	294	85.00	3.6	24
37.00	44.1	298	86.00	4.2	359
38.00	48.3	302	87.00	5.8	337
39.00	51.5	307	88.00	4.4	316
40.00	54.1	312	89.00	7.9	304
经国际公司 电电流		소프로 보안되게 없는데 된 하는 그 있는 것.			化异形性子 医乳色管管 自动性经验性

Ft. Totten, N. Y. April 24, 1975 at 1415 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
			<del>-</del>		
.25	4.4	237	42.00	37.4	305
.50	4.5	222	43.00	26.0	282
.75	5.7	212	44.00	25.6	269
1.00	9.8	223	45.00	24.2	254
1.25	9.5	2 <b>31</b>	46.00	24.5	252
1.50	10.4	237	47.00	27.8	267
1.75	11.2	245	48.00	34.7	286
2.00	13.8	248	49.00	36.1	292
2.25	14,7	257	50.00	33.2	291
2.50	14.7	253	51.00	31.4	290
2.75	14.6	247	52.00	29.5	299
3.00	13.2	249	53.00	23.9	299
4.00	15.0	261	54.00	21.1	284
5.00	15.8	272	55.00	24.1	285
6.00	16.1	282	56.00	23.1	295
7.00	17.8	278	57.00	21.5	309
8.00	18.9	272	58.00	23.0	291
				18.0	
9.00	18.2	268	59.00		293
10.00	18.6	265	60.00	10.5	304
11.00	18.3	268	61.00	7.9	327
12.00	17.0	259	62.00	12.1	302
13.00	17.0	255	63.00	5.9	306
14.00	16.7	251	64.00	5.7	296
15.00	17.1	243	65.00	4.7	277
16.00	17.0	247	66.00	6.1	275
17.00	18.0	257	67.00	7.7	287
18.00	19.9	260	68.00	7.8	329
19.00	19.5	260	69.00	6.7	16
20.00	22.9	262	70.00	3.1	355
21.00	25.5	261	71.00	.5	99
22.00	25.6	260	72.00	3.1	354
23.00	26.2	263	73.00	4.8	25
24.00	26.9	267	74.00	5.1	29
25.00	27.8	266	75.00	2.2	291
26.00	30.1	266	76.00	2.4	32
27.00	32.1	268	77.00	2.1	63
28.00	32.9	272	78.00	3.4	57
29.00	33.1	275	79.00	6.6	117
30.00	33.5	278	80.00	7.9	161
31.00	35.8	281	81.00	22.0	1
32.00	37.4	282	82.00	45.1	351
33/00	38.5		83.00	3.6	25
		284			
34.00	40.3	287	84.00	2.9	50 53
<b>35.00</b>	40.8	x\93	85.00	1.6	<b>52</b>
36.00	41.5	299	86.00	2.0	24
37.00	42.5	301	87.00	3.3	58
38.00	45.5	303	88.00	3.1	102
39900	48.2	305	89.00	20/6	66
40.00	49.5	307	90.00	7.9	63
41.00	48.1	311	91.00	.9	222

Ft. Totten, N. Y. April 24, 1975 at 1415 GMT (Continued)

Time (min)	Wind Speed (mps)	Wind Direction (deg)
92.00	3.3	304
93.00	5.5	341
94.00	5.0	5
95.00	1.7	210
96.00	.1	78

Ft. Totten, N. Y. April 24, 1975 at 1715 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
(mrii)	(mpb)	(408)	(1111)	(mps)	(deg)
.25	5.7	212	33.00	39.1	301
.50	7.8	210	34.00	42.4	299
.75	8.2	222	35.00	46.9	298
1.00	10.1	223	36.00	47.6	298
1.25	11.9	221	37.00	50.0	297
1.50	13.4	223	38.00	53.4	297
1.75	13.5	233	39.00	50.0	295
2.00	13.5	238	40.00	48.5	297
2.25	15.6	225	41.00	42.1	304
2.50	15.1	237	42.00	37.8	308
2.75	16.8	231	43.00	33.5	299
3.00	17.9	235	44.00	27.7	284
4.00	17.1	235	45.00	20.7	271
5.00	15.9	241	46.00	24.1	268
6.00	15.5	245	47.00	32.1	273
7.00	19.3	248	48.00	39.6	286
8/00	21.0	245	49.00	39.7	292
9.00	22.1	244	50.00	33.2	303
10.00	23.5	248	51.00	22.9	307
11.00	24.2	253	52.00	21.4	302
12.00	23.8	257	53.00	22.5	284
13.00	23.7	267	54.00	26.1	293
14.00	26.1	271	55.00	22.5	294
15.00	27.5	268	56.00	22.1	291
16.00	29.2	266	57.00	18.6	296
17.00	29.7	266	58.00	10.4	302
18.00	30.1	267	59.00	6.8	316
19.00	30.6	264	60.00	9.7	310
20.00	30.6	265	61.00	9.5	301
21.00	29.6	264	62.00	8.5	301
22.00	30.0	265	63.00	5.3	297
23.00	29.2	264	64.00	7.7	314
24.00	28.3	267	65.00	3.7	11
25.00	29.0	274	66.00	1.9	109
26.00	29.6	2 <b>7</b> 4	67.00	1.7	265
27.00	28.4	279	68.00	1.6	318
28.00	29.0	286	69.00	1.4	20
29.00	30.4	291	70.00	4.1	314
30.00	32.1	291	71.00	9.6	299
31.00	32.5	297			
32.00	34.7	300			

Ft. Totten, N. Y. April 24, 1975 at 2015 GMT

Time	Wind Speed	Wind	Direction	Time	Wind Speed	Wind Direction	
(min)	(mps)		(deg)	(min)	(mps)	(deg)	
.25	6.5		166	42.00	45.3	288	
.50	7.4		217	43.00	41.3	295	
.75	10.5		212	44.00	37.8	300	
1.00	11.8		225	45.00	31.2	301	
1.25	12.8		234	46.00	28.5	288	
1.50	13.8		222	47.00	27.8	286	
1.75	14.8		229	48.00	24.9	279	
2.00	16.3		230	49.00	27.5	275	
2.25	17.1		233	50.00	31.4	281	
2.50	18.9		234	51.00	33.8	284	
2.75	19.2		234	52.00	34.3	293	
3.00	20.4		232	53.00	34.3	300	
4.00	18.7		240	54.00	25.3	306	
5.00	19.2		244	55.00	19.7	303	
6.00	19.8		254	56.00	20.8	295	
7.00	20.1		264	57.00	22.0	294	
8.00	20.2		264	58.00	20.1	288	
9.00	19.9		266				
10.00	21.4		268	59.00	22.8	295	
11.00	22.6		272	60.00	22.9	303	
12.00	24.1		273	61.00	16.4	306	
13.00	24.8		273	62.00	12.3	310	
14.00	26.0		267	63.00	11.2	313	
15.00	26.3		264	64.00	10.3	313	
16.00	28.4		266	65.00	6.5	336	
17.00	30.8		266	66.00	3.8	313	
18.00	29.2		265	67.00	5.6	330	
19.00	26.8		267	68.00	5.7	3	
20.00	27.9		271	69.00	2.0	104	
21.00	28.7		268	70.00	3.0	314	
22.00	28.8		271	71.00	2.6	330	
23.00	28.0		267	72.00	2.0	82	
24.00	27.2		265	73.00	1.9	180	
25.00	27.9		266	74.00	3.6	339	
	27.5		274	75.00	2.1	12	
26.00				76.00	.7	38	
27.00	26.2 26.3		278 281	77.00	3.0	6	
28.00				78.00	1.8	358	
29.00	27.4 27.5		283 283	79.00	2.1	313	
30.00 31.00				80.00	3.3	21	
	29.3		287	81.00	5.1	32	
32.00	35.4		289	82.00	5.6	31	
33.00	38.4		282	83.00	3.9	62	
34.00	39.7		279	84.00	2.0	37	
35.00	40.2		279	85.00	1.3	15	
36.00	40.0		283	86.00	2.2	55	
37.00	39.0		284	87.00	2.7	166	
38.00	38.9		285	88.00	4.2	271	
39.00	39.8		287	89.00	2.3	289	
40.00	40.9		285	90.00	1.9	322	
41.00	43.7		286	91.00	3.2	32	
				92.00	3.9	336	

Ft. Totten, N. Y. April 24, 1975 at 2359 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
		•••			
.25	74.3	295	41.00	33.6	279
.50	44.7	250	42.00	35.2	279
. 75	42.1	254	43.00	30.3	284
1.00	43.0	251	44.00	32.8	284
1.25	41.3	248	45.00	35.1	284
1.50	41.2	253	46.00	30.9	282
1.75	44.2	250	47.00	31.2	281
2.00	43.2	249	48.00	30.8	276
2.25	44.0	246	49.00	29.7	269
2.50	42.2	248	50.00	28.9	278
2.75	40.1	252	51.00	28.6	277
3.00	47.3	247	52.00	29.4	277
4.00	45.3	247	53.00	26.8	282
5.00	52.5	246	54.00	22.7	295
6.00	54.9	244	55.00	22.2	300
7.00	50.4	242	56.00	19.7	311
8.00	47.2	240	57.00	19.5	32?
9.00	39.5	242	58.00	17.9	347
10.00	41.3	245	59.00	11.9	353
11.00	47.7	250	60.00	9.8	314
12.00	43.3	255	61.00	9.5	335
13.00	33.4	257	62.00	10.8	7
14.00	32.0	256	63.00	5.1	355
15.00	29.7	254	64.00	4.8	259
16.00	27.6	256	65.00	4.9	308
17.00	20.8	263	66.00	5.0	273
18.00	17.8	263	67.00	7 <b>.</b> 9	309
19.00	20.1	271	68.00	7.8	237
20.00	18.7	278	69.00	25.2	245
21.00	18.2	281	70.00	24.6	245 251
22.00	25.0	269	71.00	19.2	250
23.00	27.5	267	72.00	17.4	245
24.00	28.2	274	73.00	18.0	254 254
25.00	35.1	272	74.00	17.8	250
26.00	37.7	272	75.00	24.8	
27.00	35.4	280	76.00		253 254
28.00				26.9	254
29.00	40.0	284 281	77.00	22.1	255
30.00	35.8	284	78.00 79.00	14.0	243
	37.3			16.0	253
31.00	38.3	286	80.00	11.1	254
32.00	40.0	284	81.00	6.3	269
33.00	42.6	276	82.00	3.7	291
34.00	46.0	274	83.00	3.5	213
35.00	45.0	266	84.00	7.3	243
36.00	43.6	265	85.00	12.1	258
37.00	35.4	262	86.00	9.4	260
38.00	33.0	274	87.00	8.6	267
39.00	33.9	276	88.00	3.4	267
40.00	34.0	285			

Ft. Totten, N. Y. April 25, 1975 at 0515 GMT

Time	Wind Speed	Wind Direction	Time	Wind Speed	Wind Direction
(min)	(mps)	(deg)	(min)	(mps)	(deg)
	10.4	0.01	40.00		
.25	12.6	231	42.00	41.5	255
.50	6.7	271	43.00	42.6	255
.75	6.9	284	44.00	41.4	257
1.00	6.4	260	45.00	40.1	259
1.25	7.1	284	46.00	40.4	261
1.50	6.3	272	47.00	41.4	266
1.75	7.9	277	48.00	38.7	268
2.00	6.9	285	49.00	37.9	275
2.25	7.7	290	50.00	36.5	278
2.50	6.1	293	51.00	28.7	279
2.75	5.2	307	52.00	24.0	269
3.00	4.5	295	53.00	27.7	271
4.00	4.1	295	54.00	27.5	283
5.00	4.4	294	55.00	21.0	283
6.00	4.9	293	56.00	23.0	284
7.00	5.6	307	57.00	26.5	289
8.00	7.4	310	58.00	19.7	287
9.00	8.4	309	59.00	19.4	280
10.00	9.3	286	60.00	18.8	281
11.00	15.0	278	61.00	18.0	275
12.00	16.3	264	62.00	18.8	272
13.00	17,7	260	63.00	21.1	271
14.00	18.9	255	64.00	20.8	284
15.00	19.0	253	65.00	18.4	284
16.00	19.6	252	66.00	15.8	291
17.00	19.9	246	67.00	14.5	302
18.00	20.2	255	68.00	13.4	305
19.00	20.0	262	69.00	12.3	299
20.00	19.4	260	70.00	14.3	299
21.00	18.3	261	71.00	13.1	292
22.00	17.9	263	72.00	11.1	280
23.00	19.4	267	73.00	6.4	311
24.00	20.5	261	74.00	3.9	291
25.00	22.4	255	75.00	9.4	280
26.00	23.6	248	76.00	10.0	292
27.00	26.0	244	77.00	7.9	311
28.00	26.7	244	78.00	2.9	269
29.00	26.7	244	79.00	5.8	238
30.00	26.1	246	80.00	7.6	274
31.00	26.2	247	81.00	7.0	301
32.00	26.6	249	82.00	1.4	306
33.00	27.4	249	83.00	1.8	305
34.0	29.7	249	84.00	3.4	3
35.00	31.1	248	85.00	4.6	66
36.00	32.7	248	86.00	4.0	22
37.00	33.7	223	87.00	4.8	63
38.00	35.9	223	88.00	2.9	106
39.00	44.4	269	89.00	1.9	72
40.00	46.4	271	90.00	5.1	51
41.00	41.3	256	91.00	6.4	62
	•		7	<b>U•</b> **	

Ft. Totten, N. Y. April 25, 1975 at 0515 GMT (Continued)

Time (mim)	Wind Speed (mps)	Wind Direction (deg)
92.00	6.8	85
93.00	4.2	108
94.00	4.3	80
95.00	6.0	93
96.00	5.1	121
97.00	2.9	129
98.00	2.0	145
99.00	.3	3
100.00	1.0	309
101.00	.7	359
102.00	3.2	39
103.00	5.2	59
104.00	4.5	75
105.00	4.0	48
106.00	4.1	2

Ft. Totten, N. Y. April 25, 1975 at 1115 GMT

Time (min)	Wind Speed (mps)	Wind Direction (deg)	Time (min)	Wind Speed (mps)	Wind Direction (deg)
.25	11.4	12	41.00	59.3	295
.50	7.7	352	42.00	57.2	303
. 75	8.1	355	43.00	48.6	306
1.00	8.0	358	44.00	43.2	304
1.25	7.5	6	45.00	40.7	295
1.50	7.5	6	46.00	31.4	284
1.75	6.3	11	47.00	24.9	265
2.00	7.4	5	48.00	25.5	268
2.25	6.2	<b>8</b>	49.00	22.1	275
2.50	7.4	344	50.00	21.7	283
2.75	6.2	345	51.00	18.2	283
3.00	3.8	17	52.00	19.3	276
4.00	3.7	355	53.00	16.4	262
5.00	4.3	342	54.00	15.0	265
6.00	4.5	326	55.00	14.4	267
7.00	5.1	309	56.00	19.2	267
8.00	6.3	289	57.00	15.1	258
9.00	5.7	282	58.00	15.6	259
10.00	7.2	293	59.00	15.3	256
11.00	6.6	287	60.00	12.4	253
12.00	7.0	276	61.00	9.0	238
13.00	8.5	275	62.00	8.6	249
14.00	10.1	283	63.00	7.5	275
15.00	10.4	284	64.00	6.0	277
16.00	10.1	288	65.00	5.0	294
17.00	9.8	296	66.00	5.0	5
18.00	10.4	298	67.00	5.6	57
19.00	11.4	293	68.00	1.4	255
20.00	12.5	287	69.00	2.2	0
21.00	16.0	290	70.00	3.7	108
22.00	20.2	289	71.00	2.8	255
23.00	24.7	288	72.00	.3	0
24.00	31.7	290	73.00	4.8	107
25.00	33.1	293	74.00	4.3	101
26.00	35.0	296	75.00	3.9	49
27.00	36.8	297	76.00	4.3	81
28.00	36.6	295	77.00	2.3	79
29.00	38.6	293	78.00	2.6	103
30.00	40.3	291	79.00	1.4	175
31.00	44.3	292	80.00	4.1	11
32.00	45.5	294	81.00	5.1	37
33.00	49.5	294	82.00	6.0	54
34.00	52.6	296	83.00	6.7	57
35.00	55.1	296	84.00	5.0	86
36.00	56.5	296	85.00	4.7	84
37.00	57.6	293	86.00	5.5	87
38.00	58.1	291	87.00	4.6	88
39.00	58.6	288	88.00	6.5	94
40.00	58.7	288	89.00	4.0	81
	77.				

Ft. Totten, N. Y.
April 25, 1975 at 1115 GMT (Configued)

Time (min)	Wind Speed (mps)	Wind Direction (deg)
90.00	3.8	68
91.00	3.3	46
92.00	4.0	23
93.00	5.8	23
94.00	3.9	53
95.00	7.2	50
96.00	3.7	38
97.00	4.7	79
98.00	4.1	58
99.00	1.5	64
100.00	.9	64